

The University of Maine

DigitalCommons@UMaine

---

General University of Maine Publications

University of Maine Publications

---

11-15-1999

## Maine Perspective

Department of Public Affairs, University of Maine

Follow this and additional works at: [https://digitalcommons.library.umaine.edu/univ\\_publications](https://digitalcommons.library.umaine.edu/univ_publications)

---

### Repository Citation

Department of Public Affairs, University of Maine, "Maine Perspective" (1999). *General University of Maine Publications*. 1533.

[https://digitalcommons.library.umaine.edu/univ\\_publications/1533](https://digitalcommons.library.umaine.edu/univ_publications/1533)

This Newsletter is brought to you for free and open access by DigitalCommons@UMaine. It has been accepted for inclusion in General University of Maine Publications by an authorized administrator of DigitalCommons@UMaine. For more information, please contact [um.library.technical.services@maine.edu](mailto:um.library.technical.services@maine.edu).



## Federal Grant to Help UMaine Replace Trees Lost in Storm

The University of Maine has been notified that it is eligible for more than \$200,000 in federal funding to reimburse tree removal and replanting as a result of damage to more than 200 trees during Ice Storm '98.

UMaine has received a Tree Recovery Grant of up to \$275,000, 25 percent of which must be paid by the University, under the federal Community Forestry Program, administered in this state by the Maine Forest Service and the Pine Tree State Arboretum, according to Steve Peary, Facilities Management budget officer.

Beginning next spring and for the next year, trees on campus that were removed because they were destroyed, injured or weakened in the Ice Storm will be replaced.

"With this federal funding, we can be more conscientious and use the latest knowledge about trees, much of which has been generated here at UMaine, to make better choices about the heartier, more storm damage-resistant trees we plant," says Peary. "We'll continue to keep as many of our large, old trees as healthy as possible and replace the removed, damaged trees with stock that is as large as possible to minimize the visual impact."

The first of UMaine's most severely storm-damaged trees were removed as part of clean-up efforts immediately after Ice Storm '98. Extensive tree pruning and some tree removal by Facilities crews and tree contractors continued that spring and into the summer.

"We immediately looked at safety threats – those trees that were down or were coming down," says Peary. "After that, the focus was on weakened trees with injury points, including those that would not survive another severe storm."

*continued on page 13*

## Educational Partnership Focused on Improving K-12 Teaching and Learning

A new partnership forged on common goals to improve K-12 teaching and learning is off to a strong start this fall, with expanded representation and an ambitious agenda.

The Penobscot River Educational Partnership: A Professional Development Network (PREP: PDN) unites the University of Maine College of Education and Human Development and seven area school systems in a collaborative effort that links all areas of teacher preparation and professional development. The network is based on sharing and strengthening resources and expertise.

Officially established this summer, the network represents the merger of two area groups of educational leaders with similar and often overlapping school improvement objectives. The new partnership results from two years of cooperative work to create the structure, programs, commitment and flexibility to challenge traditional educational strategies and shape future changes.

PREP: PDN schools and districts include: Brewer; Bucksport; Old Town; SAD 22 (Hampden, Newburgh, Winterport); Union 87 (Orono, Veazie); Union 90 (Alton, Bradley, Greenbush, Milford); the Indian Island School; and the UMaine College of Education and Human Development.

"One of the more fascinating dimensions of the Network is working our way through the decision-making process as full partners and with genuine participation when each unit is governed by different policy boards," said Dean Robert Cobb.

*continued on page 13*



Vincent Hartgen

## Patrons of the Arts Establishes New Award in Honor of UMaine Art Legend

Vincent Hartgen is synonymous with the arts in Maine. Next month, the prestigious artist, professor and curator emeritus, and champion of the visual arts will be honored with the creation of an award in his name by the University of Maine Patrons of the Arts.

The Vincent A. Hartgen Award will be given to those who have made an outstanding contribution to the advancement of the arts at the University. A ceremony to formally announce the establishment of the award and to honor Hartgen will be Saturday, Dec. 4 in Wells Conference Center.

Nominations for the first annual Vincent A. Hartgen Award will be solicited this spring; the first award will be presented next fall.

"We wanted to encourage the arts on campus and we wanted to recognize those who have done extraordinary work in the field," says Leonard Minsky, chair of the Patrons of the Arts and UMaine alumnus. "The patrons are quite excited and enthusiastic about this award."

In 1963, Hartgen and then UMaine president Lloyd Elliot established the Patrons of the Arts, a group that encourages and supports undergraduate student involvement in all the arts. The Patrons also support outreach programs by UMaine students to grades 1-12 locally and regionally that expose the primary and

*continued on page 12*

### MAINE PERSPECTIVE PUBLISHING SCHEDULE

Nov. 29 (copy deadline Nov. 12); Dec. 13 (copy deadline Nov. 24)

## MAINE Perspective

Maine Perspective is published by the Department of Public Affairs  
The University of Maine • 5761 Howard A. Keyo Public Affairs Building  
Orono, Maine 04469-5761 • 207-581-3745

Director of Public Affairs John Diamond • Executive Editor Margaret Nagle

Layout and Design by The University of Maine Department of Public Affairs  
Printed by The University of Maine Printing Services

In complying with the letter and spirit of applicable laws and in pursuing its own goals of diversity, the University of Maine System shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, disability, or veterans status in employment, education, and all other areas of the University. The University provides reasonable accommodations to qualified individuals with disabilities upon request. Questions and complaints about discrimination in any area of the University should be directed to Evelyn Silver, Director of Equal Opportunity, 101 North Stevens Hall, The University of Maine, 207-581-1226.



# Calendar

# MAINE

All events are free and open to the public unless otherwise specified. Any speaker not otherwise identified is a member of The University of Maine faculty, staff or student body. Send notices of upcoming campus events to: University of Maine Master Calendar, Public Affairs. For the most up-to-date calendar listings, go to the Master Calendar Website: [calendar.umaine.edu](http://calendar.umaine.edu) or call 581-3745.

## 17 Wednesday

Registration for Spring 2000, Nov. 17.

**"Mechanisms of the Selective Translation Under Environmental Stresses,"** by Chen Lu, candidate for Ph.D. in biochemistry and molecular biology, 10 a.m., Nov. 17, 204 Nutting Hall.

**"Observations of a Newcomer: A New Vice President Assays the Institution,"** by Richard Chapman, vice president for Student Affairs, part of the Professional Employees Advisory Council Brown Bag Lunch Series, noon, Nov. 17, Bodwell Lounge, Maine Center for the Arts.

**Faculty Senate Meeting,** 3:15 p.m., Nov. 17, Dexter Lounge, Alford Arena. x1167.

**"Limits to Health Care and Accountability for Reasonableness,"** by Norman Daniels, Goldthwaite Professor and former chair of the Tufts Philosophy Department and professor of medical ethics, Tufts Medical School, and UMaine's John M. Rezendes Ethics Lecturer, offered by the Department of Philosophy, 4 p.m., Nov. 17, Bangor Lounge, Union. x3861.

**"Internet and Satellite Technology: Enhancing Network Performance and More,"** by Peter Brown, freelance technical writer, part of the Department of Computer Science Seminar Series, 4:10 p.m., Nov. 17, Soderberg Center, Jenness Hall. x3941.

**"Diversity's Promise, Process and Product,"** by Washington Post reporter Dorothy Gilliam, director of the Post's Young Journalists Development Project, and UMaine Libra Professor, 7 p.m., Nov. 17, Minsky Recital Hall. x1283.

**When You Comin' Back, Red Ryder?** a Maine Masque Production, directed by Sandra Hardy, part of the School of Performing Arts Season, 7:30 p.m., Nov. 17, Hauck Auditorium. Admission fee. x1755.

## 18 Thursday

Registration for Spring 2000, Nov. 18.

**Proposal Writing Workshop,** presented in cooperation with the University of Maine and Eastern Maine Development Corp., 8:30-11 a.m., Nov. 18, Woolley Room, Doris Twitchell Allen Village. Reservations required by contacting Elizabeth Bolstad, [bolstad@mstf.org](mailto:bolstad@mstf.org) or 621-6350, x225.

**"Why Justice Is Good for Our Health,"** by Norman Daniels, Goldthwaite Professor and former chair of the Tufts Philosophy Department and professor of medical ethics, Tufts Medical School, and UMaine's John M. Rezendes Ethics Lecturer, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Nov. 18, Bangor Lounge, Union. x3860.

**"Multi-Sorbate Spectroscopic and Equilibrium Studies of Ion Sorption at the Oxide/Water Interface,"** by Eric Boyle-Wight, candidate for Ph.D. in civil and environmental engineering, 2:15 p.m., Nov. 18, 100 Edward Bryand Global Sciences Center. x3217.

**"Democratic Equality,"** by Norman Daniels, Goldthwaite Professor and former chair of the Tufts Philosophy Department and professor of medical ethics, Tufts Medical School, and UMaine's John M. Rezendes Ethics Lecturer, 4 p.m., Nov. 18, Levinson Room, Maples. x3860.

**Outdoor Seminar - Outdoor Careers,** a Maine Bound program, 5-6 p.m., Nov. 18. To register, call x1794.

**Symphonic Band in Concert,** directed by Curvin Farnham, part of the School of Performing Arts Season, 7:30 p.m., Nov. 18, Hutchins Concert Hall. Admission fee. x1755.

**Film: Living a Life of Love,** featuring a talk by Sant Rajinder Singh, a spiritual leader from New Delhi, part of the Spirituality Series at the Wilson Center, 7:30 p.m., Nov. 18, 67 College Ave. 368-5866.

**When You Comin' Back, Red Ryder?** a Maine Masque Production, directed by Sandra Hardy, part of the School of Performing Arts Season, 7:30 p.m., Nov. 18, Hauck Auditorium. Admission fee. x1755.

## 19 Friday

**"The Indirect Effects of Macroalgae and Micropredation on the Post-Settlement Success of the Green Sea Urchin in Maine,"** an oral exam by Douglas McNaught, candidate for Ph.D. in oceanography, 1 p.m., Nov. 19, Darling Center.

**"Molecular, Morphological and Ontogenic Evaluation of Relationships and Evolution in the Rosaceae,"** by Rodger Evans, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., Nov. 19, 102 Murray Hall. x2970.

**Men's Ice Hockey: UMaine vs. UMass-Lowell,** 7 p.m., Nov. 19, Alford Arena. Admission fee. xBEAR.

**When You Comin' Back, Red Ryder?** a Maine Masque Production, directed by Sandra Hardy, part of the School of Performing Arts Season, 7:30 p.m., Nov. 19, Hauck Auditorium. Admission fee. x1755.

## 20 Saturday

**YAK Youth Adventure Club Session 2,** for ages 9 - 12, topic: Outdoor Survival Skills, a Maine Bound program, 8:30 a.m.-4 p.m., Nov. 20. Register by calling x1794.

**Women's Swimming and Diving: UMaine vs. Northeastern,** 11 a.m., Nov. 20, Wallace Pool, Gym. xBEAR.

**When You Comin' Back, Red Ryder?** a Maine Masque Production, directed by Sandra Hardy, part of the School of Performing Arts Season, 2 p.m., Nov. 20, Hauck Auditorium. Admission fee. x1755.

**Women's Ice Hockey: UMaine vs. Brown,** 3 p.m., Nov. 20, Alford Arena. Admission fee. xBEAR.

**Men's Ice Hockey: UMaine vs. Brown,** 7 p.m., Nov. 20, Alford Arena. Admission fee. xBEAR.

**Collegiate Chorale and Athena Consort in Concert,** part of the School of Performing Arts Season, 7:30 p.m., Nov. 20, Minsky Recital Hall. Admission fee. x1755.

**When You Comin' Back, Red Ryder?** a Maine Masque Production, directed by Sandra Hardy, part of the School of Performing Arts Season, 7:30 p.m., Nov. 20, Hauck Auditorium. Admission fee. x1755.

## 21 Sunday

**University Singers in Concert,** directed by Dennis Cox, part of the School of Performing Arts Season, 2 p.m., Nov. 21, Minsky Recital Hall. Class of 1944 Hall. Admission fee. x1755.

**When You Comin' Back, Red Ryder?** a Maine Masque Production, directed by Sandra Hardy, part of the School of Performing Arts Season, 2 p.m., Nov. 21, Hauck Auditorium. Admission fee. x1755.

**Women's Ice Hockey: UMaine vs. Harvard,** 3 p.m., Nov. 21, Alford Arena. xBEAR.

**Performance by Student Composers,** featuring original student works, coordinated by Beth Wiemann, part of the School of Performing Arts Season, 7:30 p.m., Nov. 21, Minsky Recital Hall. Admission fee. x1755.

## 22 Monday

**"The Christian Church: The Untapped Resource for Environmentalism,"** by Shelly Thomas, part of the Wildlife Ecology Seminar Series, noon, Nov. 22, 204 Nutting Hall. x2862.

**"Mechanisms of Oxidative Degradation of Carbohydrates During Oxygen Delignification,"** by Don Guay, candidate for Ph.D. in chemistry, 2:10 p.m., Nov. 22, 316 Aubert Hall. x3217.

## 23 Tuesday

**Chemistry Seminar by John Winn,** Dartmouth College, part of the Chemistry Seminar Series, 11 a.m., Nov. 23, 316 Aubert Hall. x1169.

**New Faculty Luncheon,** featuring information on the Canadian-American Center, offered by the Center for Teaching Excellence, registration required, 12-1:30 p.m., Nov. 23, Private Dining Room, Wells Conference Center. x3472.

## 24 Wednesday

**Thanksgiving Break Begins,** Nov. 24.

## 26 Friday

**Women's Basketball: Dead River Company Classic,** Georgia vs. Stephen F. Austin at 4:30 p.m.; St. Francis vs. UMaine at 7 p.m., 4:30 p.m., Nov. 26, Alford Arena. Admission fee. xBEAR.

## 27 Saturday

**Women's Basketball: Dead River Company Classic,** Consolation game at 4:30 p.m.; Championship game at 7 p.m., 4:30 p.m., Nov. 27, Alford Arena. Admission fee. xBEAR.

## 28 Sunday

**Men's Basketball: UMaine vs. Brown University,** 1 p.m., Nov. 28, Alford Arena. Admission fee. xBEAR.

**Judy Collins Holiday Show,** part of the Maine Center for the Arts performance season, 7 p.m., Nov. 28, Hutchins Concert Hall. Admission fee. x1755.

## 29 Monday

**Classes Resume,** 8 a.m., Nov. 29.

**"Black Bears, Logging Roads and Donuts: A Fatal Attraction,"** by Graham Forbes, professor, University of New Brunswick, part of the Wildlife Ecology Seminar Series, noon, Nov. 29, 204 Nutting Hall. x2862.

**President Hoff's Open Office Hour,** 2 p.m., Nov. 29, President's Office, Alumni Hall. x1512.

## 30 Tuesday

**"The Potential for Restoration of Mined Ombrotrophic Peatlands,"** by Marcia Spencer Famous, candidate for master's degree, 10 a.m., Nov. 30, 101C Deering Hall.

**"Microsensor Research,"** by John Vetelino, part of the Chemistry Seminar Series, 11 a.m., Nov. 30, 316 Aubert Hall. x1169.

**"Fannie Hardy Ekstrom: Discovering One Maine Woman in the Mirror of History,"** by Pauleena MacDougall, part of the Women in the Curriculum Lunch Series, 12:15 p.m., Nov. 30, Bangor Lounge, Union. x1228.

**Women's Ice Hockey: UMaine vs. Bowdoin,** 7 p.m., Nov. 30, Alford Arena. xBEAR.

**Chamber Music Recital,** featuring faculty and student ensembles, directed by Ginger Yang Hwalek, part of the School of Performing Arts Season, 7:30 p.m., Nov. 30, Minsky Recital Hall. Admission fee. x1755.

**Coffeehouse with Aubry Atwater,** offered by The Union Board, 8 p.m., Nov. 30, Peabody Lounge, Union. x1735.

## 1 Wednesday

**Classified Employees Advisory Council (CEAC) Meeting,** 11 a.m.-12:30 p.m., Dec. 1, Bangor Lounge, Union.

## 2 Thursday

**"Alice Walker on Nihilism and Freedom,"** by Angela Cotton, Emory University, New England Board of Higher Education Dissertation Fellow at UMaine, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Dec. 2, Bangor Lounge, Union. x3860.

**"Electrical Geophysical Analysis of Spatial and Temporal Variations Within a Salt-Contaminated Fractured Bedrock Aquifer,"** by Gail Lipfert, candidate for master's degree in geological sciences, 1 p.m., Dec. 2, 100 Edward Bryand Global Sciences Center. x3217.

**Peer Observation of Teaching,** a Teaching Excellence Workshop, facilitated by James Berg and Virginia Nees-Hatlen, 2-4 p.m., Dec. 2, North Lown Room, Union. Registration required by calling x3472.

**"The Slave Plato" (on Plato's *Meno*),** by Page duBois, professor of classics, University of California - San Diego, a Department of Philosophy Colloquium, 4 p.m., Dec. 2, Bangor Lounge, Union. x3866.

**Film: *Experiencing Our Real Self Through Meditation*,** featuring a talk by Sant Rajinder Singh, a spiritual leader from New Delhi, part of the Spirituality Series at the Wilson Center, 7:30 p.m., Dec. 2, 67 College Ave. 368-5866.

**No Talent Night,** part of Thursday Night in the Bear's Den series, offered by The Union Board, 9 p.m., Dec. 2, Union. x1735.

## 3 Friday

**"Floodplain-River Interactions in the Neotropics,"** by John Jackson, Stroud Water Research Center, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., Dec. 3, 102 Murray Hall. x2970.

**Men's and Women's Swimming and Diving: Black Bear Invitational,** 6 p.m., Dec. 3, Wallace Pool, Gym. xBEAR.

## Ongoing Events

### Exhibits/Demonstrations/Tours

**Dialogue: The 1999 Department of Art Faculty Exhibition,** a Museum of Art exhibit, through Dec. 18, Carnegie Hall. x3255.

**Monhegan Island,** a Bangor Art Society exhibit, through Jan. 11, Chadbourne Hall. x3306.

**Images for Eternity: Mexican Tomb Figures and Retablos,** a Hudson Museum exhibit, through May 14, Maine Center for the Arts. x1901.

### Meetings of Groups/Organizations

**Circle K** meets every Monday, 6:30-7:30 p.m., Bangor Lounge, Union. x7818.

**Foreign Language Tables:** Monday - French; Tuesday - Russian; Wednesday - German; Thursday - Spanish, noon-1 p.m., 207 Little Hall. x2073.

**Gay, Lesbian, Bisexual, Transgendered Discussion Group** meets every Monday, 2-3 p.m., Old Town Room, Union. x1406.

**International Coffee Hour,** every Friday, 4-5 p.m., Peabody Lounge, Union. x2905.

**Maine Peace Action Committee (MPAC)** meets every Sunday, 7 p.m., beginning Sept. 12, Maples. x3860.

**Maine Time Conversations,** every Wednesday, 2-3 p.m., Bangor Lounge, Union. x1734.

**Muslim Prayer,** noon-2 p.m., every Friday, Drummond Chapel, Union. x3449.

**Open Office Hour with Interim Provost Don Zillman,** every Thursday, 9 a.m., 201 Alumni Hall.

**The Union Board (TUB)** meets every Wednesday, 6:30 p.m., Totman Lounge, Union. x1735.

**Women's Self-Defense Workshop,** by Deb Mitchell, every Thursday, 5:30-8:30 p.m., through Dec. 2, Doris Twitchell Allen Community Center. x4036.

### Special Notes

**Farmers' Market,** 10 a.m.-1 p.m. every Saturday (except Nov. 27) through Dec. 18, Page Farm and Home Museum.



# Center Stage

## School of Performing Arts

### When You Comin' Back?

Hero worship and the facades people use to get through life are themes brought to the stage by a rich cast of characters in the comic drama, *When You Comin' Back, Red Ryder?*

The play by Mark Medoff, directed by Associate Professor of Theatre Sandra Hardy, opens Wednesday, Nov. 17, 7:30 p.m., in Hauck Auditorium.

Set against the backdrop of an all-night diner in the New Mexico desert during the late 1960s, *Red Ryder* tells the story of a group of small-town people and the visiting strangers who change them. Stephen "Red" Ryder, the local hood, and Angel, a young waitress who dreams of romance, undergo dramatic changes when Teddy, a drifter who has served in Vietnam, wanders into their town with a broken-down van, Mexican drugs and a troubled past.

*Red Ryder* will be presented at 7:30 p.m., Nov. 17-20; 2 p.m., Nov. 20-21. For tickets, call 581-1755.

### Symphonic Band and Mt. Ararat Wind Ensemble

The Mt. Ararat Wind Ensemble will be the special guests of the UMaine Symphonic Band in a concert Thursday, Nov. 18 at 7:30 p.m., Hutchins Concert Hall. Mt. Ararat is the third high school to send a group of talented young artists to UMaine to perform with the Symphonic Band. Old Town and Noble high schools shared the stage with UMaine artists in previous years.

The Symphonic Band is directed by Curvin Farnham, associate professor of music. The program includes a circus march by Karl King, *Robinson's Grand Entree March*, and *Fantasy Variations*, a theme-and-variation piece composed by James Barnes for the U.S. Marine Band.

Selections of English folk music drawn from a piece by Percy Grainger, *Lincolnshire Posy*, will be directed by Shianne Wheeler, a graduate student and elementary school instrumental music instructor in Old Town. *Watchman, Tell Us of The Night*, Mark Camphouse's adaptation of the classic Thanksgiving hymn, *Come, Ye Thankful People, Come*, will pay tribute to the season.

*The Ascensions* by Robert Smith, a tension-filled piece from his suite named for Dante's *Divine Comedy*, ends the program. Smith dedicated the emotionally charged piece to the survivors of child abuse, Farnham says.

### Beethoven to Broadway

This year's concert by the 80-voice Collegiate Chorale balances the classic compositions of Ludwig van Beethoven and Anton Bruckner with styles of American music – from early church and folk music and the gospel tradition to jazz and Broadway.

The concert Saturday, Nov. 20 at 7:30 p.m., Minsky Recital Hall, is directed by music education graduate student Beth Clark, who accompanied and sang with the choir as an undergraduate. It also features the Athena Consort.

The evening begins with Beethoven's *Choral Fantasy*, featuring eight vocal soloists and faculty accompaniment by pianist Phillip Silver. Bruckner's *Afferentur Regi* and *Christus Factus* will also challenge the ensemble to explore classical compositions.

Among the American works will be *Kittery*, by New England composer William Billings and *Wade in the Water*, as set by Norman Luboff.



Students Misty Dawn Jordan, left, of Bar Harbor, as Angel, and David Currier of Presque Isle, as Red, are two of the cast members in the UMaine production of *When You Comin' Back, Red Ryder?*

### Singers to Premiere Wiemann Work

A premiere of *The Open Air*, an original composition on the works of New Hampshire poet Alice Fogel, written by Assistant Professor of Music Beth Wiemann, will highlight the Sunday, Nov. 21 concert of the 60-member University Singers. Three movements in the work, "Winter," "What to Say," and "What Birds Hear," explore New England's changing landscape.

The Singers, directed by Professor of Music Dennis Cox, also will perform several sections from a mass by Franz Joseph Haydn, with solos by students Beth Marshall and Susan Smith, and faculty members Francis Vogt and Lud Hallman. A Renaissance piece, *Alma Redemptoris Mater* by Palestrina, will complete the classical performance.

For lighter fare, the Singers will offer a set of love songs.

The concert begins at 2 p.m., Minsky Recital Hall.

### Student Composers Take Works to a Wider Audience

Student composers will perform nine of their original works in a performance Sunday, Nov. 21 at 7:30 p.m., Minsky Recital Hall.

The students are seniors taking a composition course taught by Assistant Professor of Music Beth Wiemann. For the concert, Wiemann, a clarinetist, will join singer and pianist Jurag Kojis; Brian Cook, who plays piano and percussion instruments; and soprano Joelle Leavitt.

### Faculty and Student Ensembles Present Chamber Concert

Seven ensemble groups will take the stage of Minsky Recital Hall when faculty and students join musical talents to present an evening of chamber music Tuesday, Nov. 30 at 7:30 p.m.

The chamber music program is directed by Ginger Yang Hwalek, instructor of music.

Highlights of the program include a string quintet, featuring two cellos, performing a work by Franz Schubert. Other ensembles include two piano-violin trios, one with cello and the other with double bass. Also appearing: a sax quintet, flute ensemble, brass ensemble and the new graduate string quartet.

## People in Perspective

Some of the oldest and most unusual plants at the University of Maine are under the daily care of alumnus Brad Libby.

Libby, manager of UMaine's horticulture facilities, maintains the University's permanent plant collection. Housed in Clapp Greenhouses, the collection includes plant materials ranging from a 6-foot prickly pear cactus to a 30-year-old banana tree and exotic species from around the world, as well as some of the newest propagations used by faculty in their classes.

Libby oversees Clapp Greenhouses, home of the nontemperate portion of UMaine's permanent plant collection. He also maintains temperate plant materials grown in gardens around the Greenhouses and in the Littlefield Ornamentals Trial Gardens.

In the summer months, Libby spends three-quarters of his time in the gardens. Beginning at this time of year, the balance of his workday is spent indoors.

Libby's job supports faculty research and teaching. Almost 80 percent of the space in the Greenhouses, operated by the Maine Agricultural and Forest Experiment Station, is dedicated to research. Scientific projects can require support ranging from construction of a containerized plant bed to routine care and oversight of specialized plant materials used for experiments. The Greenhouses also are used by classes in horticulture, biological sciences, entomology and forest ecosystem science.

The permanent collection, which is used for teaching, is ever-expanding, as faculty add plant materials they need for research. To improve its usefulness, Libby is now conducting a comprehensive inventory of the permanent collection.

"Beyond its teaching functions, people are enamored with the collection because it contains plant materials beyond common houseplants," says Libby. "Kids always find the banana plant appealing. While tours are not officially a great deal of my job, they are personally satisfying and important, providing an opportunity to stimulate and educate young people.

"The message is there's always more to learn here. One of the most satisfying parts of this job is you never learn all of it."

Libby discovered his career path almost a decade ago when he took a biology class that included labs in Deering Hall. It was on his way to and from that lab that Libby saw promotional materials for the University's landscape horticulture program.

"The definition of horticulture is the art and science of cultivating, involving design and creativity, love of plants, science and research," says Libby, who first enrolled at UMaine as a forestry major. "What I like about my job is I get experience in so many of the facets."

Libby received an associate degree in landscape nursery management in 1992 and a bachelor's degree in landscape horticulture in 1995. As a student, Libby worked in local production greenhouses. He also worked at UMaine as a horticulture technician prior to his promotion as manager of

University horticulture facilities in January 1998, on the eve of the infamous Ice Storm.

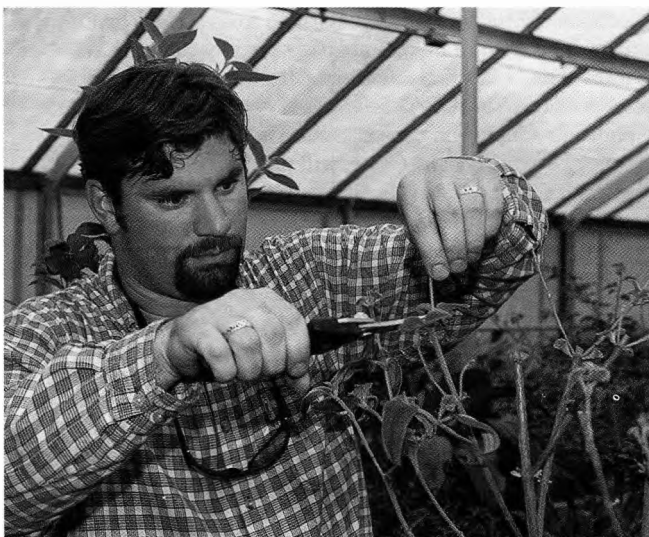
Libby has taught courses in woody landscape plants for two semesters, and served as a lab teaching assistance for two years following graduation.

"Clapp, with its older greenhouse system, is the place I've learned a lot that I wouldn't otherwise. With such older systems, there is a lot of problem solving involved. It can be frustrating when a problem first arises but it's always satisfying to solve."

Pest control is one of the biggest challenges in greenhouses. In Clapp, Integrated Pest Management (IPM) strategies are used to keep the permanent collection and research trials healthy. A diversity of plant materials also means a wide variety of pest problems. While physical and chemical controls are useful in certain areas of the Greenhouses, Libby also has used such pest management practices as applying hot pepper spray and releasing predatory insects.

Libby's daily supervision of the Greenhouses doesn't end on Fridays or over holiday weekends. "Somebody has to water the plants," he says. "The number and diversity of the plant life like this requires a lot of supervision.

"Working here, students learn that a job in horticulture or greenhouse management is often harder than they thought," says Libby, who coordinates the efforts of up to six undergraduates each semester in UMaine's greenhouses and gardens. "It's not just a matter of rooting cuttings in a cup of water. It takes being involved in hard work – from digging and pruning to hauling – as well as the skills involved in recognizing and understanding plant growth."



Brad Libby

Photo by Monty Rand

### NEW SIGNS POSTED AT UMAINE FIELDS ON BENNOCH ROAD, PARK STREET

The University of Maine is requesting that people who use UMaine farm fields to reach trails and other areas not drive vehicles across crop lands. In addition, people who desire access to farm fields at Rogers Farm along the west side of Bennoch Road will need written permission from the farm manager.

According to Steve Reiling, director of the Maine Agricultural Center, some damage has occurred as the result of vehicles

traveling across the fields.

"The University has a tradition of being open," says Reiling, "but we also need to protect the work that our students and faculty are doing. We'll be posting signs at the fields along Park Street and Bennoch Road."

Citizens who need written permission to the Rogers Farm fields can contact Glenn Dickey, farm manager, 581-2793. ▲

# State Grant to Peace Studies Furthers Conflict Resolution Work

UMaine's Peace Studies Program has received a \$120,000 two-year grant from the Division of Community and Family Health, Department of Human Services (DHS), to further develop and test models of conflict management programs in schools throughout Maine.

The funding received last month is the largest in a series of grants that has come to Peace Studies from DHS in the past four years for support and advancement of conflict resolution. Similar funding also was awarded to EXCEL, a citizen education program at the University of Southern Maine.

Under this latest grant, Peace Studies and EXCEL have partnered with 10 Maine schools to collaboratively design evaluation models for conflict resolution education. Assisting in the development of models to evaluate the effectiveness of conflict resolution programming is the Center for Research and Evaluation in the College of Education and Human Development.

The expectation is that the two-year project will result in the development of model evaluation instruments and processes schools can choose from to meet their circumstances and needs.

---

*Students today are more aggressive, impatient. Many are lonely with their babysitters mostly being the media. With what children are being exposed to, what they're taking in, we must do something.*

---

"We are looking at how to get conflict resolution education considered an integral part of the curriculum and the student experience," says Kathryn Gaianguet, the grant project director and associate professor emerita of sociology. "Conflict resolution is a way to work toward violence prevention in a positive way and to be proactive toward peace. Our approach is that conflict is normal and should be expected as part of interaction. The goal is in learning to manage conflict in positive, constructive and mutually respectful ways."

There are some other school programs that address problematic aspects of student behavior, says Gaianguet. For example, schools have pupil evaluation teams for remediation, programs to curb bullying, or civil rights teams that identify discrimination, harassment and prejudice. However, none of these programs has comprehensive K-12 curricula to integrate learning into regular classroom teaching or to offer whole-school approaches to addressing student behavioral problems.

Conflict resolution focuses on the skills needed to deal with these problems. Through conflict resolution, which can be taught in many areas of Maine's Learning Results, students and teachers find alternative ways of responding to conflict and issues of difference.

Jan Person of Skowhegan, a school social worker for 12 years who works in the Madison schools, began using conflict resolution methods with individual students six years ago. She says the key is in letting the youngsters know that the conflict in which they are involved is not hers but theirs to solve. And because they are in a school community, if the students are unable to work out their own problems, adults will intervene.

"Conflict resolution is important for children to understand for their own sense of independence and for making choices about how to interact with peers and adults for a peaceful school community," says Person, who has been instrumental in helping teachers incorporate conflict resolution education into their K-4 curricula.

"This is a simple process that empowers children to make decisions about how they want to interact with their peers. We practice how to listen and communicate our feelings and needs.

The kids still have conflicts, but with this process, they can work through those issues."

Conflict resolution education is seen by some as an indicator of a cultural shift in how violent activities toward others are approached, says Gaianguet. "What we think is happening is people are motivated to seek something new that provides them with a positive way to approach concerns regarding increased conflict within schools."

Jacinthe Sirois of Otisfield has been a teacher in the U.S. and Canada for 27 years. Her school, the Guy Rowe School in Norway, is one of the 10 pilot schools in the evaluation project. What started with Sirois' interest in conflict resolution has grown into a schoolwide program in which all K-3 teachers have incorporated the conflict resolution strategies into their curricula, with a mediation program in place for grades 4-6.

Sirois, now a conflict resolution trainer, teaches educators how they can change themselves personally and professionally, and make a difference in their classrooms.

"If I did not have those skills today, I would not be in the classroom," she says. "Students today are more aggressive, impatient. Many are lonely with their babysitters mostly being the media. With what children are being exposed to, what they're taking in, we must do something."

"With students learning the basic skills of conflict resolution, they were resolving most of their conflicts without me, and I had more time for teaching," says Sirois. "What really interested me was to see them use those skills not only in class or on the playground, but to hear they're talking about them at home. Conflict resolution becomes part of the climate in the classroom."

Peace Studies became involved in conflict resolution education six years ago because of its ability to "change to a more peaceable school and social climate, starting with young people," says Gaianguet. Initially, Peace Studies received funding in 1996 to facilitate the work of central and northern Maine teachers like

*continued on page 11*

## BOOKSTORE INITIATES BOOKS FOR BOOKS PROGRAM

A faculty book buy-back program initiated on campus by The University of Maine Bookstore, with the help of the student service group Circle K, will raise money for the Fogler Library Book Acquisition Fund.

In the Books for Books program, faculty can donate unwanted texts, including desk and review copies, to Follett Used Book company. Faculty can take a tax deduction for their donations. All proceeds from the wholesale buy-back benefit Fogler's Book Fund.

Books for Books takes place Nov. 15-18. A Follett company representative is available to visit faculty offices the first two days to provide wholesale buy-back pricing information.

After Nov. 16, faculty can bring unwanted or surplus textbooks to the Bookstore. Members of Circle K also are available to pick up books from faculty offices to deliver to the Bookstore. The donated texts will be shipped to the Follett warehouse.

University Bookstore will not resell any donated faculty texts and will not profit from the Books for Books program.

In a final report, Follett will itemize the total monetary value of UMaine's first Books for Books program.

If you have questions about Books for Books, contact Krista Molnar Smith, 581-1700, or molnar@maine.edu



## His World Is the Oyster

A synopsis of the UMaine experience for marine sciences Ph.D. student Ryan Carnegie can be succinctly stated in three words – shellfish, citizenship and sports.

Carnegie's research addresses problems in shellfish aquaculture. In particular, he is developing a DNA probe as a diagnostic tool for detecting deadly parasites that attack oysters, a project that earned him a best student paper award at the National Shellfisheries Association Annual Meeting in 1997. Using basic molecular science, Carnegie's work has the potential to ultimately assist one of Maine's fastest-growing industries.

Beyond the research lab, Carnegie advocates campus citizenship. Carnegie has been actively involved in the Association of Graduate Students, serving as AGS president in 1997-98. He has been tapped to serve on University committees, including the steering committee for the Center for Teaching Excellence, and as a representative graduate student voice for such institutional activities as a panel discussion of the land-grant university and its significance in the 21st century, part of President Peter Hoff's Inaugural Convocation.

And then there's the Dead Animals, the three-time championship intramural softball team on which Carnegie plays.

"All are interrelated activities," says Carnegie, "especially when you aspire to be an academic and contributing member of a university community later on. It is impossible to go about fulfilling my academic responsibilities without caring for the environment in which I work. All these kinds of activities are important in going beyond and discovering how a university community works. At UMaine, it has all helped make me a good faculty member in the future."

Carnegie, a northern New Jersey native, received an undergraduate degree in biology in 1990, then attended the College of William and Mary for a master's degree in marine sciences. There he met Bruce Barber, now UMaine associate professor of marine sciences. Carnegie came to UMaine for a Ph.D. in marine sciences to continue to do research with Barber.

"His research overlaps nicely with my interests," Carnegie says. "He's doing a lot of shellfish disease physiology. Plus, with Bruce I knew I would have a great graduate experience."

At William and Mary's Virginia Institute of Marine Science, Carnegie was involved in scallop research, focusing on scallop reproductive biology as it related



Ryan Carnegie

Photo by Monty Rand

to the commercial fishery.

At UMaine, Carnegie's dissertation focuses on a protozoan parasite in the European species of oyster, first imported to Maine waters in 1949 when soft clam landings in the mid-coast area were falling. The blood parasite has been killing substantial proportions of the oyster populations in Europe since the '70s.

"Here," says Carnegie, "we don't know what it's doing. Because oyster aquaculture is growing rapidly, there is a lot of worry about this parasite. People don't want to sink money into an operation and risk everything to a parasite."

While the parasite has not had a demonstrated negative impact on European oysters on this continent, the race is on to determine its pervasiveness and the proactive means to head off any economic and biological disasters. The research by Barber and Carnegie is funded by Sea Grant, the Northeast Regional Aquaculture Center, and the Maine Aquaculture Innovation Center.

Carnegie's work began by looking at the distribution and prevalence of the parasite in Maine, starting with cultured populations located on the Damariscotta River.

"So far, we have not seen much of a parasitic impact on cultured oysters, which will be two years old and market size by the end of the year. Although the parasite has been seen in younger oysters, it is thought that it most often hits those 2 years old and older."

Oysters are not difficult to grow, Carnegie says. Their husbandry has been perfected in the past four decades so that,

today, they are considered to be relatively hardy, able to be grown at high density and to demand a strong market price compared to other shellfish like clams. In Maine aquaculture, oysters are one of the key species in the industry's development.

In collaboration with Dan Distel, assistant professor of biochemistry, microbiology and molecular biology, the DNA probe Carnegie is developing as a diagnostic tool will be more sensitive and specific than current techniques used to detect the foe. With his training in molluscan physiology and molecular biology, Carnegie will use what he learns about the molecular and cellular interaction between parasite or disease agents and shellfish to advance our understanding of bivalve pathology. ▲

## Education Coordinator Joins Sea Grant Staff

Sara Lindsay, research assistant professor in the School of Marine Sciences, has been named the new education coordinator for Maine Sea Grant.

Lindsay, who has a Ph.D. in ecology from the University of South Carolina, has spent the last 10 years teaching and conducting research at Scripps Institution of Oceanography in California, University of South Carolina, and Woods Hole Oceanographic Institution. She has been involved in several mentoring programs for college undergraduate, middle school, and high school girls interested in science, and hosted a MERITS (Maine Research Internships for Teachers and Students) intern from Bangor High School last summer. Lindsay also has led workshops on careers in marine science.

Lindsay is the author of *The Shallow Seas*, one volume of the reference set, *Library of the Oceans*, designed for middle and high school students.

As education coordinator, Lindsay will help link researchers in the School of Marine Sciences to faculty in the College of Education and Human Development to provide a coordinated, research-oriented educational outreach program for teachers and students in Maine.

She also will work with University of Maine Cooperative Extension and the University Development Office to identify and pursue funding opportunities to support various educational outreach programs. ▲



Ron Davis, right, points out interesting features of the natural history of seashore life on Mt. Desert Island to students enrolled this fall in BIO 205.

*Photo by Misty Edgecomb*

## Maine Natural History – Davis Style

Students move over rocks and through wetland grasses, keeping pace with their professor who is marching forward. At strategic locations, he stops to recite what seems like an endless stream of plant and animal names and relationships.

Information and sketches of water parsnips, pickerel weed and sweet gale are entered in field notebooks. Suddenly, the students are startled by the quiet.

Professor Ron Davis is watching a loon glide across the surface of Field's Pond.

Davis talks about the loon's natural history and its role on lake ecosystems. For Davis, it is an impromptu teaching opportunity. It also provides a window into Davis' philosophy that appreciation of nature is a path toward less destructive human behavior.

Nearly 500 University of Maine students have hiked, climbed and sloshed their way through the great outdoors to experience Davis' intense teaching style in the natural history course he created more than 15 years ago. The built-in physical and intellectual challenges students face when taking his course have made Davis something of a UMaine legend. The rigor that creates such a powerful learning experience is what Davis' students don't soon forget.

"If I could do it all over again, I'd sign up for that class in a heartbeat," says Jack Wu, who graduated in 1996 with a degree in natural resources.

"Presently, I work for a private environmental consulting firm in Maine and I was able to use some of the information I learned in the class."

The awe of the natural world is something that Davis strives to impart through his courses, be it limnology, wetland biology, the travel courses he's taken to Northern Labrador, Dominica and the Florida Everglades, or BIO 205. He aims, as a teacher, researcher and photographer, to share his fascination with nature, to make the exotic feel familiar, and everyday surroundings magical.

"Psychologically, for many people, going to an area where everything looks

different is a huge jolt to the brain. It's like being swept off into a fantasy," he says.

But this semester's classes, including BIO 205, are the last for Davis, professor of Biology and Quaternary studies, who joined the UMaine faculty in 1970 after a decade at Colby College. In the spring, he will shift his focus entirely to research as a step of his partial phased retirement. Davis says he has numerous scientific papers waiting to be written, and is involved in an ongoing research project on the ecology of Maine's peatlands.

Next fall, Field Natural History of Maine will be the responsibility of Associate Professor of Zoology Bill Glanz, who says he plans to keep a majority of Davis' syllabus intact. This semester, Glanz is attending the course with 41 students.

"Ron stands there, giving information about a tree, just reciting it off-hand from his own experience. It's impressive," Glanz says of the veteran teacher and researcher.

Students in BIO 205 study the flora, fauna and geology of forests, fields, streams, lakes, bogs, mountains and tidal pools. In preparation for their weekly field study, Davis offers preliminary lectures and slides, a 35-page chapter of his book, *Natural History of Maine Ecosystems*, and a variety of library reserve readings –

*continued on page 11*

### **New Wetlands Report Provides Foundation for Conservation Efforts**

In the past 20 years, two University of Maine scientists have crisscrossed thousands of acres of Maine's soggiest, most inhospitable terrain in a project that will have long-term conservation benefits.

Ronald Davis of Orono, Dennis Anderson of Stetson and Davis' students have walked, driven and flown from the rolling hills of southern York County to the western mountains, the Down East coast and industrial forests of northern Aroostook. Their mission is to systematically paint a detailed picture of the state's organic wetlands, also known as peatlands – one of Maine's most poorly understood natural resources.

Last December, the Maine Agricultural and Forest Experiment Station published some of the researchers' comprehensive data for 108 peatlands in *The Flora and Plant Communities of Maine Peatlands*. Another report is in press on the nearly 1,100 peatlands that Davis and Anderson have surveyed on the ground, on air photos and from the air.

*continued on page 10*

## Wetlands *continued from page 9*

By compiling information about peatlands from one end of Maine to the other, Davis and Anderson have created a foundation for ongoing efforts by the state and non-profit organizations to conserve peatlands as part of Maine's natural heritage.

Their latest studies focus on the factors that affect plant growth in peatlands, how these areas are affected by climate and what sorts of changes may be expected if regional temperatures and precipitation patterns shift. Because of their dependence on temperature patterns and water levels, peatlands are sensitive indicators of climate, says Davis. That work is currently proceeding in Caribou Bog, just west of Orono and Old Town.

The researchers chose the 12-mile Caribou Bog because it typifies Maine's peatlands with its plant diversity, and it is conveniently close to Orono. Underlying the bog are layers of lake sediments and marine clay. The clay was left by sea water that flowed into central Maine after the end of the last Ice Age. It appears that the center of the bog filled with freshwater when the sea retreated to the present day coastline about 12,000 years ago.

### **Indicators of climate change**

Peatlands are saturated wetlands in which peat accumulates slowly, year after year. In Maine, these growing mounds of partially decayed plants range in depths from a foot or less to as much as 30 feet. They are inhabited by unusual plant communities, including species such as mosses, pitcher plants and black spruce trees that have been stunted in their growth.

"We use a large database to develop the standards about what is rare, what is common and where peatlands are distributed," says Davis. "We also score peatlands using other criteria such as plant diversity and hydrologic features."

"The scores are used for a ranking, which is a conservation evaluation. It amounts to a recommendation about what peatlands should be protected from development, which ones are exemplary or unique on the basis of these features, as opposed to those which seem to be more run of the mill."

Just as important scientifically, this extensive wetlands survey has generated new information for research.

### **Peatland complexes**

"Before we started this, the distribution of peatland types in Maine was very poorly known," says Davis. "The vegetation, plants, floristic composition, distribution of the flora are now much better documented."

"One of our major conclusions is that scientific classification systems of peatlands based on vegetation don't work very well. This is well known in northern Europe. Large peatlands are complexes. One large peatland may contain as many as 17 vegetation types."

"In Maine, we have also discovered types of peatlands that have large continental distributions in Eurasia and Canada but that were previously unknown here."

Two undergraduate students, Brian Frappier from Manville, R.I. and Sara Bercume from Windham, worked last summer with Davis and Anderson to understand why some plants, such as black spruce, grow rapidly in some parts of a peatland and slowly in others.

They are also interested in the relative ages of peatlands. Although some areas of peat may be deeper than others, says Davis, they all may have accumulated over the same period of time. Differences in depth, he explains, are the result of variations in how quickly old leaves and stems decay in a particular location.

### **Monitoring water levels, chemistry**

In the south unit of Caribou Bog, Davis, Anderson and Andrew Reeve of the Department of Geological Sciences have established eight monitoring stations. Each one consists of hydrologic monitoring wells that have been sunk to varying depths in the peat and plots for tracking various vegetation characteristics.

The scientists keep track of water levels and collect water samples on a regular basis. The samples are analyzed for chemical characteristics, such as plant nutrients and acidity. They also plan to conduct experiments to determine how changes in water flow or nutrient concentrations affect the decay process.

This summer, the research team established 10 more stations in the central unit of the Bog. Eventually, they intend to have a network that reflects the full range of depths of peat and a wide range of hydrologic conditions. ▲

## The CUTTING EDGE

University of Maine Research on the Frontiers of Science

### **Sniffing Out Antioxidants**

A new laboratory instrument that sniffs chemical compounds in the air will play a role in food science research at the University. Researchers will use it to study antioxidants in blueberries, cranberries and other foods and to test a new method for preserving the freshness of fish products.

Mary Ellen Camire, associate professor in the Department of Food Science and Human Nutrition, and her students are searching for natural antioxidants that can be added to food products to retard spoilage and protect flavor. They are also planning to determine if the benefit of eating foods high in antioxidants can be detected in human blood plasma.

Antioxidants, including vitamin C and other compounds in fruits and vegetables, are thought to protect health by mopping up radicals, compounds linked to cancer and heart disease. They also retard fat oxidation, a process caused by free radicals.

Assistant Professor Denise Skonberg and graduate student Barbara Gillman are evaluating the use of chitosan, a natural anti-microbial compound, to improve quality of haddock and salmon. Seafood loses freshness through the oxidation of fats, says Skonberg, but bacteria present on the fish also contribute to a decrease in quality and increase in "fishy" decomposition odors.

The UMaine research instrument is being purchased with support from a \$27,029 grant from the U.S. Department of Agriculture. It consists of three separate devices: a gas chromatograph, a head space analyzer and a computer. As a single unit, they analyze the gases that collect in a space just above a sample of food and display the results on the computer's screen.

"When you analyze food, you get all kinds of other results that complicate the analyses," says Camire. "This new instrument will give us much cleaner data. It opens up all kinds of doors for other research, as well."

For example, researchers can analyze food samples, such as cooking oils or meats, for the presence of hexanal, an indicator of fat oxidation. They can then add an antioxidant to the food and see if it affects the amount or timing of hexanal released.

Using the new instrument, UMaine researchers will be able to expand their research to new food products. They are also planning to monitor human blood plasma in people who have eaten foods rich in antioxidants.

The instrument will be installed in a lab on the second floor of Holmes Hall. It is expected to be in operation this winter. ▲

## Natural History *continued from page 9*

information that Davis considers to be on a survey level.

"There's a lot of memorization involved, but apart from that, it's pretty basic. We really don't get into great detail," he says. "I want students to have a broad-brush understanding of the range of circumstances that exist in nature," Davis says.

But second- and third-year students don't find the material so basic. "I felt overwhelmed with information. There was so much to learn in such a little amount of time," says junior biology major Rachel McNamee.

Some students say Davis' multiple-choice exams and lab practicals are too detailed, asking questions such as the author of an important reserve reading, or examples of the altitudinal distribution of plants on Mt. Katahdin. "It's safe to say you're responsible for anything you ever saw," says Dan Blickensderfer, a student taking BIO 205 this semester. "If he mentions it, or something next to it, you should know it for the test."

"He can't remember birthdays, but he can sure remember the names of plants," says Lee Davis, Assistant Professor of Developmental Science for the Onward Program and Ron's wife of 42 years. The two actually met in a zoology class at Cornell University, where she was impressed by Ron's ability to roll off the scientific names of vertebrate species.

"I get the feeling that his vast array of knowledge on the Maine environment is a matter of envy among his colleagues. Probably, most wish they had the curiosity to settle into a place and become intimately familiar with everything that surrounds them, like Dr. Davis has," says Adam Crary, a natural resources student who took BIO 205 last fall.

While BIO 205 has its fans, there are students each semester who complain that Davis' class is too demanding, says Mark Anderson, coordinator of the natural resources program, which lists BIO 205 as a degree requirement.

"If it worked for you, it worked beautifully. If it didn't, it was a real struggle," Anderson says of the class. "The class can cause a great sense of stress and fatigue, but generally, when it's over, it's something students look back on fondly with pride and accomplishment. It's like boot camp, I guess," he says. "I've thought I should have T-shirts made for them saying, 'I survived BIO 205.'"

Doug Gelinas, vice provost for Undergraduate Education who has taught biology, has discussed the course with students. "Students over the years would say he's a challenging person, but people who are easy on you aren't always the people you appreciate. Ron never asks people to do things he wouldn't do himself," Gelinas says.

Weekly field trips can involve hiking several miles over difficult terrain, as in climbing Mt. Katahdin, often in chilly fall weather. The course's cornerstone, a required Mt. Katahdin hike in search of tundra 4,600 feet up, is a 10-hour climb, including field lectures, to Hamlin Peak.

An avid hiker and cross-country skier, Davis has climbed Mt. Katahdin almost annually since the mid-1950s.

Every year, a handful of students in his class begs Davis to step up the pace as they climb Katahdin, while others can barely make it up the trail. But the students who inspire Davis are those who struggle and gulp water and fear they'll never last, then stand beside him, panting triumphantly at the peak.

"That challenge is a substantial part of the class. It's a new world for some people," Davis says.

Glanz says he plans to include a Katahdin climb in the course next year. "I actually wish we had more field labs in other classes I've taught. Pushing people can help them to perform, to do the things they've never tried before," he says. Glanz, along with many of Davis' peers, also believes the value of hands-on learning far outweighs its inconvenience.

"The natural world is so complex and variable, it's a little humbling," says Anderson. In an intense field course like Ron's, the students gain a sense of nature's richness that they'd never get from a book.

"I remember sitting (on the ground), just above the tree line. Everyone in the class seemed pretty relaxed and introspective, like we'd all gone through some serious physical changes to reach this magical point," says Frank Joseph, a natural resources major, remembering last year's alpine experience, which was on North Brother Mountain because Katahdin was "too busy."

Although he has visited each field site many times, Davis says he feels the excitement of discovery anew whenever he's out in the field. "I just try to keep moving and let my energy shine through," he says. "It would be very difficult for me to put on an act in class – I'm transparent. Probably some students think I'm being silly, but it may be contagious for others," he says.

Year after year, Davis struggles with students' reluctance to get emotionally involved in the course. He'll beckon students over to a tree so they can note the tiny features that make it a unique and amazing species.

"Most people haven't really gotten down on their knees and looked. It's an eye-opener that there's such a great diversity of organisms out there," Davis says. "The students are going to have to look more closely. They must feel and touch – and even smell." ▲

## Peace Studies *continued from page 7*

Sirois, as well as guidance counselors, school social workers and administrators developing conflict resolution curricula and strategies. With the seed money, \$30,000 annually prior to this most recent grant awarded last month, Peace Studies offered summer training institutes; established a resource library with books, training manuals and videos; and served as a liaison between educators in schools and conflict resolution trainers in the community.

Part of the purpose of the grant is to initiate activities that can then become self-sustaining. This past summer, Peace Studies offered two training institutes on conflict resolution for K-8 educators, and one for high school teachers, staff and administrators, all self-sustaining after two years of grant support. In addition, a fourth educators' institute, a week-long program on diversity, was introduced with grant assistance.

All the institutes now attract educators from throughout the state, from one teacher in a school committed to incorporating conflict resolution into the curriculum, to a team of educators teaching conflict resolution across one or multiple grade levels.

In similar initiatives sponsored by the grants, Peace Studies works with educators involved in peer mediation in grades 4-12 to develop and coordinate a central and northern chapter of the Peer Mediation Association of Maine. Peace Studies and EXCEL, which founded the association in southern Maine, cooperate to offer a statewide conference for peer mediators. In addition, Peace Studies and EXCEL have sparked a statewide educators' conference on conflict resolution, which has been held annually for the past two years in Augusta. The two organizations also have collaborated in establishing MeCORE Network, a statewide organization for conflict resolution educators.

On campus, Peace Studies has facilitated a Campus Mediation program, CMUM, since spring 1998. As part of the curriculum, Peace Studies is offering two related courses this academic year: Fundamentals of Mediation and Conflict Resolution: Its Foundations, Skills and Practices. ▲

# Teaching Moment

## Center for Teaching Excellence

By James Berg

Teaching improvement is largely a self-motivated and self-monitored endeavor, but it can be greatly enhanced by involving others in the process.

In *Improving College Teaching*, Maryellen Weimer lays out a five-step process for teaching improvement. The process begins with "instructional awareness," by which she means self-awareness as an instructor, i.e., knowledge of your goals and the activities chosen to achieve those goals (10). In everyday terms, "what you do and why you do it." The key to developing instructional awareness is to avoid making judgments too soon: "an excessively judgmental orientation inhibits openness and the ability to change" (37).

Weimer suggests a variety of activities to develop instructional awareness, including answering a checklist of questions about your teaching practices. Questions to consider include physical actions, such as what do you do with your hands? And process items, such as how do you encourage student participation? And what do you do when students are inattentive? (207-8). More sample questions can be found on the Center for Teaching Excellence Website ([www.umaine.edu/teaching](http://www.umaine.edu/teaching)).

Here are Weimer's five steps for improving teaching:

- ▼ developing instructional awareness
- ▼ gathering information
- ▼ making choices about changes
- ▼ implementing the alterations
- ▼ assessing the alterations (34-42)

Colleagues, students, and consultants can be involved in any one or all of these steps. Talking informally about teaching is the most frequent starting place for instructors wishing to gather information about improving their practice. Weimer says that input from others can clarify and elaborate the instructor's understanding of his or her teaching, offer feedback about the impact of the "practice, behavior, or activity on the person offering the input," and generate alternative ideas about what to do to accomplish your teaching goals (34).

Another common practice is peer observation, which can be understood in two ways: visiting the classroom of a colleague to gain information about his or her teaching for your own improvement, or having a colleague visit your classroom to give you feedback on what seems to be working and what isn't. Many departments and colleges at UMaine are developing systems of peer observation to help faculty assess and improve their teaching practices. These systems are often, but not always, separate from any evaluation system departments or colleges set up.

The Center for Teaching Excellence is developing a Peer Consultation Program that will gather faculty from across the University to act as teaching consultants for faculty, teaching assistants, and other instructors. Peer Consultants will be trained by the Center in a system of formative review of teaching. The first step in developing the Peer Consultation Program is a workshop on "Peer Observation of Teaching" at 2 p.m., Dec. 2, North Lown Room, Union.

Senior, tenured faculty and long-term contracted instructors are especially encouraged to apply for the Peer Consultation Program. Those interested in serving as peer consultants should plan to attend the workshop, or, if they cannot attend that session, contact the Center for Teaching Excellence for more information.

### CENTER FOR TEACHING EXCELLENCE UPCOMING EVENTS

**New Faculty Luncheon**, featuring information on the Canadian-American Center, Tuesday, Nov. 23, noon-1:30 p.m.

**"Peer Observation of Teaching,"** a Teaching Excellence Workshop, facilitated by James Berg, Center for Teaching Excellence, and Virginia Nees-Hatlen, Liberal Arts and Sciences, Thursday, Dec. 2, 2-4 p.m.

**Informal New Faculty Gathering: Brown Bag Discussion for New Faculty**, facilitated by James Berg, Center for Teaching Excellence, and Polly Karris, Employee Assistance Program, Thursday, Dec. 9, noon-1 p.m.

*New faculty events are intended for those who have been at UMaine three years or less.*

**Check the Website for more information ([www.umaine.edu/teaching](http://www.umaine.edu/teaching)), or call the Center, 581-3472, to register.**

## Hartgen *continued from page 2*

secondary education students to the benefits of a lifetime of arts participation.

Hartgen came to the University of Maine in 1946, recruited by then UMaine President Arthur Hauck, to build an art department. A month after arriving, Hartgen began spreading the word that UMaine was seeking to develop an art collection. He also created the first art education program for student teachers.

"When he came here in 1946, there was no art program and very little art on campus," says Professor of Art Michael Lewis. "When he arrived, he taught all of the academic courses, established the curriculum and established the program. He would always go out of his way to make sure that art was shared with the widest number of people possible. The amount of energy he brought to these tasks was unbelievable."

Hartgen established traveling art exhibitions to schools around the state. The goal was to take art out of a gallery and put it into the community, says Wally Mason, director of the University of Maine Museum of Art. The traveling exhibits that continue today reach nearly 15,000 people every year.

On campus, Hartgen made a point of raising the consciousness about the importance of having art in buildings and offices.

"He went around putting art into every conceivable space – offices, the Hauck Auditorium lobby, and others," says Lewis. "Wherever he found space, he would manage to hang art."

Hartgen's first New York solo exhibition opened at the George Binet Gallery in 1947. Through countless solo and group exhibitions, Hartgen has become internationally renowned, especially for his aquarelles and drawings of Maine's natural environment.

Landmark exhibits on campus have included *Founder and Futurist: Vincent A. Hartgen at 75* and *Hartgen at Eighty*.

Highlights of Hartgen's career at UMaine include his appointment to the John Homer Huddilston Professorship of Art Chair in 1962. He was presented with UMaine's highest faculty honor, the Distinguished Professor Award, in 1965. The following year, he was appointed commissioner of the Maine State Commission on the Arts and Humanities. From 1966-80, his work was chosen by the Department of State for the Washington, D.C., *Art in the Embassies Exhibitions*. Hartgen was awarded the Arts and Humanities Governor's Art Award in 1967.

The University of Maine Museum of Art's *Traveling Art Exhibitions* were named in his honor by the Patrons of the Fine Arts, as was the Department of Art's Art History Travel Award. Hartgen was awarded the University of Maine Honorary Doctor of Fine Arts in 1987. ▲



## **Trees** *continued from page 1*

In 1998, storm-damaged areas of Maine were eligible for federal monies under the Community Forestry Program. Funding first went to the hardest-hit areas near Augusta.

This past July, the University was notified that there were still federal monies available, now being allocated in the storm-damaged areas that sustained slight or moderate tree damage.

Prior to notification, Facilities Management undertook a comprehensive analysis of the general health and remaining storm damage of trees on campus and in the immediate University Forest. The analysis was done by Tom Gasaway, Facilities Management landscape supervisor, and Chuck Simpson, UMaine woodlands manager and a licensed forester.

The analysis found more than 200 trees on campus or in the immediate University Forest needed removal because of storm damage that caused safety hazards, weakened older trees and compromised susceptible species. Almost half of those trees are on campus and the responsibility of Facilities Management. Other damaged trees identified in the analysis are in the University Forest, Hyland Arboretum and Littlefield Ornamentals Trial Garden.

Decades ago, trees were selected for planting on campus that were fast-growing and high-coverage. Such species as poplar, silver maple, green ash and cottonwood also were less expensive than hardwoods. They were meant to temporarily fill a void until monies were allocated for landscaping and tree replacement.

While attractive alternatives when there is no budget with which to buy good hardwood stock, such trees are very susceptible to injury – and storm damage.

"It was an inexpensive tactic that didn't pay off," says Gasaway, of campus tree planting of the past. "But now with the federal program, we have a chance to put some really nice trees in there, like red or scarlet oak that are long-lived hardwoods. They are the types of trees that withstand storms. Compared to green ash and softwoods, oaks on campus had little Ice Storm damage."

Through the years, funding specifically for tree improvement was not possible. Less-desirable deciduous tree varieties planted near campus buildings grew large and conifers filled in.

"People in the past have thought we were wasting money planting trees," says Gasaway. "It became political, with people saying that the money we spend on landscaping and planting trees would be better spent buying a computer. We got similar calls about our bark mulching program this year that we did to protect trees from mowers and trimmers, and to save labor costs in hand-mowing."

In the almost two years since the Ice Storm, most of UMaine's 200 damaged trees have been removed. The few that still have to be taken down include aged poplar along College Avenue.

"It was hard for me to cut trees that had hung on for such a long time, but I knew the hazards in them," says Gasaway. "There's also the reality that college campuses are not like they used to be when those trees were planted years ago, including more open, lighted areas where students walk. Using hardwoods this time, we can enhance the classic look of campus while creating natural areas that can be well-lit for pedestrian safety."

To recover federal reimbursement for tree restoration, storm-damaged trees must be documented on a map and in a report detailing tree specifications from size and species to the expenditure of time and money to remove the unhealthy tree. In public areas such as this campus, one tree must be replanted for every damaged tree removed.

Among the conditions of the federal program, replacement trees must be monitored for three years and have a 90 percent survivability rate. In addition to planting specifications, federal

requirements dictate that replacement stock be a minimum for 2 1/2 inches in diameter. Reimbursement is up to \$300 per tree.

UMaine will be replanting trees throughout campus in the next year. Gasaway says a committee will be formed to begin to make recommendations about the varieties and locations of replacement trees to be planted on campus. ▲

## **Educational Partnership** *continued from page 2*

For the first time, UMaine and the public schools are participating in decisions that previously have been wholly the prerogative of one or the other.

"We've adopted the goal of helping their students learn as the primary purpose of being in the schools, which places all of us in the role of decision making around instructional strategies, student assessment and continually improving the educational experience at all levels," said Cobb.

Teacher preparation and K-12 education are a campuswide responsibility, said Cobb, noting that the majority of an aspiring teacher's overall coursework is in the liberal arts and sciences. Associate Dean Virginia Nees-Hatlen now represents the College of Liberal Arts and Sciences on the PREP: PDN Steering Committee; Associate Dean Alan Kezis represents the College of Natural Sciences, Forestry, and Agriculture.

Through General Education Requirements and concentration or double major courses, more than 50 percent of an elementary education major's work is in other UMaine colleges. For secondary education students, academic work in other colleges represents more than 85 percent of their overall program.

Union 90 Superintendent A. Keith Ober, elected chair of the organization at its October meeting, says the initiative is the most "extensive level of partnering" and "most involvement between public schools and a university" he has seen in his career.

Partnership members have committed to a collaborative process that, among other initiatives, calls for:

- ▼ continuous assessment of learning
- ▼ monitoring, evaluating and adapting educational innovations
- ▼ providing continuing professional development of teachers
- ▼ guiding the professional development of student teachers
- ▼ conducting systemic inquiry and research to address critical issues of teaching and learning

Network schools provide a supportive base and realistic setting for education majors to do field experiences and student teaching, and to apply course theory in the classroom, under the guidance of experienced teachers and University faculty who teach together and separately, both at the schools and on campus.

The partnership structure is framed around a steering council, a community advisory forum and four committees – Systematic Inquiry and Research, Professional Development, Teacher Preparation, and Resources and Support.

A core group of more than 40 University/public school faculty and administrators is actively involved in the planning and organizational process. The Network has piloted professional development and other programs, surveyed teachers about needs and current practice, applied for grants, sponsored seminars on timely topics, shared the work of a technology consultant, sponsored research conferences and published three editions of a newsletter.

Plans currently call for collaborative programs and activities to address pressing educational issues, such as state and national performance-based learning standards and achievement assessments, research, policy and best practice, pre-service learning and induction, technology capacity-building and innovation, and challenging student behaviors. ▲

# V O L U M E S

## Recent Works by University of Maine Authors



***A Family of Women:  
The Carolina Petigru in Peace and War***  
By Jane Pease and William Pease  
(The University of North Carolina Press  
1999)

In romantic tales of the antebellum South, brave and honorable men provided bountifully for their gracious and beautiful wives on plantations. However, the reality of most privileged women of the antebellum South was not quite that idyllic or secure, according to Jane and William Pease, UMaine professors emeriti of history and authors of a new book, *A Family of Women: The Carolina Petigru in Peace and War*.

In this family biography, the often-stereotyped belles and matrons of the 19th-century South emerge as diverse personalities. Using the letters, diaries, novels and memoirs of the Petigru women and the material culture surrounding them, the Peases weave a complex story of three generations of a South Carolina family whose fate rose and fell with the fortunes of the state. *A Family of Women* focuses on the Petigru women's prominence in Charleston and on plantations in North and South Carolina, where they flourished as belles, managed large households, shocked society with their unconventionality, educated their children, endured troubled marriages and maintained close family ties.

The Peases, who are associates in history at the College of Charleston, have spent years researching the lives of antebellum Southerners. Their other joint books in recent years include *James Louis Petigru: Southern Conservative, Southern Dissenter*, and *Ladies, Women & Wenches: Choice and Constraint in Antebellum Charleston and Boston*.



***Sound Bytes 2: Listening for Today's World***  
By Steven Gershon and Chris Mares  
(Pearson Education Asia 2000)

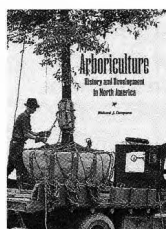
*Sound Bytes 2: Listening for Today's World* is a comprehensive, task-based listening course designed for beginner through pre-intermediate learners of English. Its format is designed to boost vocabulary, and expand cross-cultural awareness and critical thinking skills. It also helps develop proficiency in discriminating individual sounds, stress and intonation patterns.

*Sound Bytes 2* is part of a three-level listening course, developed by authors Steven Gershon of Obirin University, Tokyo, and Chris Mares of the University of Maine. Mares is a lecturer in English as a second language and associate director/program development specialist in the Intensive English Institute.

### Campuswide Calendar

The University of Maine Master Calendar is a searchable electronic listing of on-campus events for the academic year that have been submitted for inclusion. The Web-based Master Calendar is located at <http://calendar.umaine.edu> and on FirstClass (in the News Stand folder).

If you have events already scheduled, send your listings to the Master Calendar. If you are planning an event and want to check for other activities scheduled at particular days and times, check the Master Calendar or call 581-3745.



***Arboriculture: History and Development  
in North America***  
By Richard Campana  
(Michigan State University Press 1999)

Arboriculture, the emphasis on keeping trees alive and healthy, has emerged only recently as a profession. However, arboriculture could not have developed without the early explorers and botanists, nursery owners and tree planters, horticulturalists and their societies, landscapers and park planners, foresters and conservationists. In the 19th century, the most significant development leading to the evolution of arboriculture as an industry was the establishment of new urban forests after the original natural forest had been removed.

*Arboriculture: History and Development in North America* chronicles a century of how arboriculture has become an important force in modern ecology. The almost 500-page volume, considered to be one of the few histories of its kind, is written by Richard Campana, professor emeritus of botany, plant pathology and forest resources. Campana has spent more than 35 years in research and education on tree diseases, with more than 28 years focused on Dutch elm disease.

In his book, Campana provides a history of tree preservation efforts. The history includes such topics as the origins of planting, transplanting and pruning; the introduction of trees into and within North America; early landscapers in the U.S.; the growth of botanical gardens and arboreta; effects of the World Wars and New Deal Programs on arboriculture; facts about the Great Northeast Hurricane of 1938; uses of insecticides, fungicides and herbicides through the years; and tree care practices, ranging from tree moving and fertilization to wound treatment, lightening protection and tree injection methods.



***Heat Transfer***  
By James Sucec  
(Jaico Publishing House, India 1999)

Professor of Mechanical Engineering James Sucec first wrote *Heat Transfer* in 1985, published by Wm. C. Brown Publishers. Jaico Publishing House reprinted the volume in hardcover in 1994, and now in a softcover edition.

Heat transfer is the science that predicts temperature distributions and the rate at which energy is transferred across a surface due to temperature differences. The more than 800-page volume begins with the theories behind the three fundamental modes of heat transfer – conduction, radiation and convection. Throughout the text, the use of the law of conservation of energy and its importance in solving heat transfer problems is emphasized.

Detailed solutions to more than 100 examples supplement the theory, mathematical solution techniques and experimental information needed to understand heat transfer phenomena and to make quantitative predictions of temperatures, energy transfer rates and equipment sizes. Each of the nine chapters also contains homework problems.

*Heat Transfer* is written as an engineering course text for juniors or seniors, and as a reference book for practicing engineers.

**Steven Colburn**, associate professor of accounting: "Sale of Easement Triggers Recapture of Estate Tax," *The CPA Journal*, LXIX(10):34-39 (October 1999).

**Peter Vickery**, former graduate student, Department of Wildlife Ecology; **Malcolm Hunter Jr.**, Librarian, Professor of Conservation Biology; and **Jeffrey Wells**,

former undergraduate student, Department of Wildlife Ecology: "Effects of Fire and Herbicide Treatment on Habitat Selection in Grassland Birds in Southern Maine," *Studies in Avian Biology*, 19:149-59 (1999).

**K.M. Langellier**, professor of communication, and **E.E. Peterson**, chair and associate professor of communication: "Voicing Identity: The Case of Franco-American Women in Maine," in E. Slembek (ed.), *The Voice of the Voiceless* (pp. 135-145), St. Ingbert: Röhrig Universitätsverlag (1999).

**Janet Spector**, assistant professor of special education: "Precision of Age Norms in Tests Used to Assess Preschool Children," *Psychology in the Schools*, 36(6) (November 1999).

**Renate Klein**, assistant professor of family studies, College of Education and Human Development: "Ways of Knowing in the Virtual Classroom: Experiences with an Internet Course on Couple Conflict and Violence," *Family Science Review*, 12(3):194-204.

**Sergey Lvin**, lecturer of mathematics: "Approximation of a Function by Solutions of an Underdetermined Nonhomogeneous Heat Equation," *Journal of Mathematical Analysis and Applications*, 239:188-94 (1999).

**Steven Colburn**, associate professor of accounting: "Tax Court Rejects Stock Aggregation; Accepts Minority Discount," *Tax Ideas*, pp. 4219-4238 (Oct. 20, 1999).

**D.W. Donahue**, assistant professor of bio-resource and forest engineering; **A.A. Bushway**, professor of food science; **K.E. Moore** and **R.A. Hazen**, food science graduate students: "Forced Air Removal of Surface Moisture from Maine Wild Blueberries for the Fresh Pack Market," *Applied Engineering in Agriculture*, 15(2):147-52 (1999).

**D.W. Donahue**, assistant professor of bio-resource and forest engineering; **A.A. Bushway**, professor of food science; **K.E. Moore**, food science graduate student; **B.J. LaGasse**, bio-resource engineering undergraduate student: "Evaluation of Current Winnowing Systems for Maine Wild Blueberries," *Applied Engineering in Agriculture*, 15(5):423-27 (1999). In addition, Donahue, Bushway, Moore, and LaGasse: "Maine Wild Blueberries Field Winnowing Systems," MAFES Technical Bulletin #174, University of Maine (1999).

**A.F. O'Connell Jr.**, leader, Cooperative Park Studies Unit, Biological Resources Division, Patuxent Wildlife Research Center; **L. Elyse**, former undergraduate student in the Wildlife Ecology Department; and **J. Zimmer**, Acadia National Park: "Annotated Bibliography of Methodologies to Census, Estimate, and Monitor the Size of White-tailed Deer (*Odocoileus virginianus*) Populations," National Park Service Technical Report: NPS/BSO-RNR/NRTR/00-2, 59pp. (1999). This publication also is available electronically via home pages of the National Park Service (Nature Net) or Patuxent Wildlife Research Center (topical bibliographies).

**D.W. Donahue**, assistant professor of bio-resource and forest engineering; **R.C. Bayer**, professor of animal and veterinary sciences; **J.G. Riley**, professor of bio-resource and forest engineering; **A.A. Bushway**, professor of food science; **P.B. Brown**, professor, Purdue University; **R.A. Hazen** and **K.E. Moore**, food science graduate students; and **D.A. deBruyne**, lab technician: "The Effect of Soy-based Diets on Weight Gain, Shell Hardness and Flavor of the American Lobster (*Homarus americanus*)," *Journal of Aquatic Food Product Technology*, 8(3):69-77 (1999).

**R.M. Seymour**, assistant professor of bio-resource and forest engineering; **D.W. Donahue**, assistant professor of bio-resource and forest engineering; and **K.K. McKeage**, assistant professor of marketing: "Teaching Team-work Through Interdisciplinary Projects," Chapter One, *American Institute of Chemical Engineers*, pp. 1-3 (February).

**Malcolm Jones**, **Randall Boone** and **T. Bruce Lauber**, former graduate students, Department of Wildlife Ecology: "Linking Continental Climate, Land Use, and Land Patterns with Grassland Bird Distribution Across the Conterminous United States," *Studies in Avian Biology*, 19:45-59.

**Touradj Solouki**, assistant professor of chemistry; **Mike Freitas**, assistant professor of chemistry at Ohio State University; and **Ahmed Alomary**, a Ph.D. candidate in chemistry: "Gas-Phase Hydrogen/Deuterium Exchange Reactions of Fulvic Acids: An Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectral Study," *Analytical Chemistry*, 71:4719-26 (1999).

**Richard Blanke**, professor of history: "'Polish-Speaking Germans?' Language and National Identity Among the Masurians," *Nationalities Papers*, 27:429-53 (1999).

**Ronald Sarno** and **Warren Johnson**, National Institutes of Health; **William Clark**, professor of animal ecology, Iowa State University; **Michael Bank**, instructor of wildlife ecology, UMaine; **Walter Prexl** and **Michael Behl**, Iowa State University; and **William Franklin**, professor of animal ecology, Iowa State University: "Juvenile Guanaco Survival: Management and Conservation Implications," *Journal of Applied Ecology*, 36(6):937-45.

#### NEW PUBLICATION DETAILS BIODIVERSITY IN MAINE FORESTS

A new publication, *Biodiversity in the Forests of Maine: Guidelines for Land Management*, is available to the public from University of Maine Cooperative Extension. The book stems from the work of the Maine Forest Biodiversity Project, a collaborative effort among scientists, landowners, government agencies, industry and public interest groups.

The authors are Gro Flatbo of Ash Cove Consulting; Carol Foss, a consulting biologist; and Steven Pelletier of Woodlot Alternatives Inc. Catherine Elliott of Extension is the editor.

The publication provides an overview of the issue, key concepts and management guidelines for individual sites and forested landscapes. It also describes specific ecosystems, such as riparian zones, deer wintering areas and old-growth forests. Recommended forest management practices are described for each ecosystem, and a list of references included.

## Book Ends

### New & Noteworthy at the University Bookstore

**Einstein's Daughter: The Search for Lieserl**, by Michele Zackheim, Riverhead Books/Penguin-Putnam Group (1999). In 1902, an illegitimate daughter was born to Albert Einstein. In 1903 she vanished. Her disappearance was so successful that her very existence eluded Einstein scholars for more than 80 years. The discovery in 1986 of early love letters between Albert Einstein and Mileva Maric, the woman who would become his first wife, revealed the birth of the child named Lieserl. But after a 1903 letter, there is no mention of her. What happened to Einstein's daughter? According to the last of the letters, she had contracted scarlet fever, yet no death or birth certificate are to be found. Many scholars contend that she was adopted. Why, so many years later, were those close to the Maric and Einstein families reluctant to talk about her? *Einstein's Daughter* is based on more than 100 interviews and on extensive research into Siberian literature, history and ethnology. It answers many questions and is a mesmerizing account of the fate of Lieserl.

**River Horse: A Voyage Across America**, by William Least Heat-Moon, Houghton Mifflin (1999). In *River Horse*, Heat-Moon leaves America's backroads (Blue Highways and PrairieEarth) and sets off aboard a small boat he named *Nikawa* ("river horse" in Osage). In his most ambitious journey ever, he and his companion, Pilotis, struggle to cover nearly 5,000 miles by water. Among the obstacles the two confront are bad weather, treacherous floods, submerged rocks and their own lack of confidence about completing the trip. Heat-Moon's story is filled with history, drama, humor and wisdom covering our country's rivers, lakes and canals.

**Joshua Chamberlain: The Soldier and the Man**, by Edward Longacre, Combined Publishing (1999). Drawn from independent eyewitness accounts of his battlefield actions, this biography explores all aspects of Joshua Chamberlain's life before and after the war. The author's research suggests Chamberlain had a dark side, and some of his accounts of his own actions are questionable. This book is a fascinating story of the Civil War and Joshua Chamberlain's attempt at a post-war life in politics and academia.

▼ Nov 15-21 is National Children's Book Week. Get 30 percent off children's books all week at The University Bookstore.

**Kathleen March**, professor of Spanish, attended the symposium on service-learning, "Students, Scholarship, and Service," Oct. 22 at University of Southern Maine. March, and undergraduate French/Spanish major Katie Coscia, participated in the session "Two Months In - New Service-Learning Courses," addressing the projects in Spanish

205 that involve preparing lessons for K-12 Spanish teachers and the translation of oral histories for Bangor's Sister City in El Salvador, Carasque.

**Amy Fried**, assistant professor of political science, presented "Another Tocquevillian Moment: Alexis de Tocqueville in Communitarian Movements and Political Science" at the Northeastern Political Science Association Annual Meeting, Nov. 11-13, Philadelphia.

Several members of the Department of Communication Sciences and Disorders (CSD) attended and participated in the Fall Conference of the Maine Speech-Language-Hearing Association, at Sugarloaf, Sept. 30-Oct. 1. In a session organized by **Joseph DiNapoli** and **Amy Booth**, lecturers; **D. Kimbrough Oller**, professor, moderated the session "Integrated Screening, Followup, and Early Intervention for Speech and Hearing Disorders," presented by **Rebecca Eilers**, dean of the College of Liberal Arts and Sciences; Ed Miskiel, Intelligent Hearing Systems; Lynn Weissler Miskiel, University of Miami; and Robert Nozza, University of Georgia. Also in attendance was **Suneeti Nathani**, assistant professor, and several graduate and undergraduate students.

**Nancy Hall**, assistant professor of communication sciences and disorders (CSD), and **Marybeth Allen**, part-time Instructor in CSD, coordinated the "Workshop for Children and Teens Who Stutter and Their Parents and Speech-Language Pathologists," Oct. 16 at the University of Southern Maine. Other participants from the Department of Communication Sciences and Disorders included **Judith Stickles**, lecturer; **Andrea Pratt**, **Cynthia Erickson**, **Jan Lavalley**, **Travis Geistert**, undergraduate students; and **Christine Skillin** and **David Evans**, graduate students.

**Judy Walker**, assistant professor of communication sciences and disorders, presented "Prosodic Facilitation and Interference in the Resolution of Temporary Syntactic Ambiguities in Aphasic Subjects" at the Academy of Aphasia, Oct. 24-26, Venice, Italy.

**Max Egenhofer**, director of the National Center for Geographic Information and Analysis, professor in spatial information science and engineering, and cooperating professor in computer science, organized and chaired the closing panel, "What is Driving Innovation in Spatial Database Systems?" at the 6th International Symposium on Spatial Databases (SSD '99) in Hong Kong, July 20-24.

**Paula Moore**, assistant professor of literacy and Center for Early Literacy director, gave two presentations at the South Carolina 1999 Reading Recovery Conference, Oct. 7-8, Columbia. Moore, who coordinates Reading Recovery training and services in Maine, presented "Principles of How Words Work" and "Beyond Early Strategies: Teaching at Text Levels 6 to 10." Moore also is the new editor of *The Network News*. The refereed publication for Reading Recovery educators in Canada and the U.S. is published twice a year. Moore is an active member of the Reading Recovery Council of North America, which publishes *Network News*, including serving on its review board.

Literacy Professors **Rosemary Bamford** and **Jan Kristo**, and literacy graduate students **Sandip Wilson** and **Carol Smith**, gave a presentation at the New England Reading Association Conference, Andover, Mass., Oct. 21. Their presentation was titled "Theoretical Foundations Supporting Reading Aloud, Shared Reading, Thinking Aloud, and Intertextuality as Tools to Shape and Sharpen Student Learning About Nonfiction Literature."

**Polly Moutevelis Karris**, director of the Employee Assistance Program, attended the International Association of Employees Assistance Professionals in Education Conference in Orlando, Oct. 18-20. She was part of a panel on "Models of University EAPs: Benefits and Drawbacks." At the IAEAPE annual banquet, Karris was presented with a clock in recognition of being co-editor of the IAEAPE Newsletter for the past three years.

**Phyllis Brazee**, associate professor of education and director of Peace Studies, attended, by invitation, the Core Connections: Women, Religion and Public Policy conference, Oct. 8-9, Harvard University. The conference was sponsored by the Women and Public Policy Program at Harvard's John F. Kennedy School of Government and the Women's Studies in Religion program at Harvard Divinity School.

**Renate Klein**, assistant professor of family studies, College of Education and Human Development, spoke on "The European Research Network on Conflict, Gender, and Violence: Infrastructure for Cross-Disciplinary, Transnational Research to Curb Gender Violence" during the workshop "Using Concepts of Peace, Human Rights, and Conflict Management in Strategies Towards Overcoming Gender-based Violence" at the 7th International Interdisciplinary Congress on Women, June 20-26, Tromsø, Norway.

At the Conference on Predicting Species Occurrences: Issues of Scale and Accuracy, Snowbird, Utah, Oct. 19, the following papers were presented: Caldwell Hahn, USGS Biological Resources Division, Patuxent Wildlife Research Center, and **Raymond O'Connor**, professor of wildlife ecology and plenary speaker at the conference, "Scaling of Host and Environmental Patchiness in the Distribution of Brown-Headed Cowbirds"; **Catherine Johnson**, former graduate student, Department of Wildlife Ecology, and **William Krohn**, leader, Maine Cooperative Fish and Wildlife Research Unit, "Temporal Changes in Island Use by Breeding Seabirds: Empirical Evidence that Long-Term Occupancy Data Are Essential"; O'Connor, "The Spatio-Temporal Structuring of Avian Distributions"; **Jeffrey Hepinstall**, research associate, Department of Wildlife Ecology; Krohn; and **Steven Sader**, professor of forest resources and forest engineering, "Effects of Population Status and Niche Width on the Performance of Avian Habitat Models."

**Max Egenhofer**, director of the National Center for Geographic Information and Analysis, College of Engineering's Libra Professor, professor in spatial information science and engineering, and cooperating professor in computer science; **Kathleen Hornsby**, post-doctoral research associate with the National Center for Geographic Information and Analysis; and **Isolde Schlaisich**, graduate research assistant with the National Center for Geographic Information and Analysis and Ph.D. student in spatial information science and engineering, attended the International Conference on Spatial Information Theory (COSIT '99), Stade, Germany, Aug. 25-29. Egenhofer chaired the session on Geographic Ontologies, and Schlaisich participated in the doctoral consortium.

#### MOONEY ELECTED FELLOW OF THE SOCIETY OF ANTIQUITIES

Linne Mooney, associate professor of English, has been elected a Fellow of the Society of Antiquaries. She was elected at a Meeting of the Society Oct. 28, and will be formally admitted at an upcoming meeting.

Founded in 1707, the Society is charged by its Royal Charter of 1751 with "the encouragement, advancement and furtherance of the study and knowledge of the antiquities and history of (Great Britain) and other countries." Its more than 2,000 Fellows are elected through a rigorous process of selection and secret ballot, as "excelling in the knowledge of Antiquities and History." They include many of Britain's most distinguished archaeologists and art historians, holding positions of influence and responsibility in universities, museums, learned bodies and other institutions concerned with archaeology, history and conservation. Mooney joins the handful of Americans who have been tapped for the honor.

The Society, headquartered in Piccadilly, London, nominates trustees for such groups as the British Museum and Sir John Soane's Museum in London. The Society's publications, the *Antiquaries Journal* and *Archaeologia*, are international journals of record, used by students and scholars around the world, along with the Society's *Research Reports*, *Occasional Papers* and other publications. The Society also offers a regular annual program of lectures to which Fellows and guests are admitted, as well as occasional conferences and seminars.

Mooney was elected on the basis of her past and current research and publications on medieval manuscripts. This year, Mooney is in Great Britain, supported by a Fellowship from the John Simon Guggenheim Foundation, doing research for a book about late medieval English scribes and book production. This fall, she has been a Visiting Fellow of Oriel College, Oxford. For the two terms in the new year, Mooney will return to the Research Centre of King's College, Cambridge, where she conducted research in 1996-97.

**Janice Zeman**, associate professor of psychology, co-authored three presentations with Department of Psychology graduate students **Leslie Sim**, **April Nesin** and **Sheri Stegall**, and former graduate students **Kim Shipman** and **Susan Penza-Clyve**, at the annual meeting of the Association for the Advancement of Behavior Therapy, Toronto, Nov. 11-14: "Internalizing Symptoms as Predictors of Children's Inability to Identify and Communicate Negative Emotional States"; "Coping and Emotion Regulation Skills in Physically Maltreated and Nonmaltreated Families"; and "Links Between Coping with Negative Emotion and Disordered Eating in Early Adolescent Girls."

**Ed Brazee**, professor of education, gave a presentation with Dan Levinson, vice president of Time Warner's *Court TV*, and two teachers, at the National Middle School Association Conference in Orlando, Oct. 28-31. Brazee has written three resource units for the national cable network, focusing on the theme of choices and consequences for young adolescents, which are used by teachers around the country. Brazee also participated in a pre-conference session, "Writing for Publication." In addition, Brazee is featured in a recent special issue of the *Alliance Access*, a newsletter of the Eisenhower Regional Alliance for Mathematics and Science Education Reform. The edition focuses on education reform in the middle grades and includes a national perspective interview with Brazee, and an article on changes under way at Boschulte Middle School, St. Thomas, Virgin Islands, as a result of on-going faculty participation in the UMaine Institute.

**Sandra Schaefer**, graduate student, Department of Wildlife Ecology, and **William Krohn**, leader, Maine Cooperative Fish and Wildlife Research Unit, presented a paper, "Predicting Species Occurrences from Habitat Associations: Improving the Interpretation of Commission Errors," at the Conference on Predicting Species Occurrences: Issues of Scale and Accuracy," Snowbird, Utah, Oct. 19.

**Herman Weller**, associate professor of science education, presented a paper at the WebNet '99 conference, Honolulu, Oct. 25-29. The presentation, prepared with **Jim Chiavacci**, College of Education and Human Development instructional technologist, was "Using the WWW to Guide Science Inquiry Lessons: Barriers and Solutions to Creating Webquests in Elementary/Middle School."

**James Berg**, director of the Center for Teaching Excellence and cooperating assistant professor of English, organized a session, "The Isherwood Century," at the Midwest Modern Language Association convention in Minneapolis Nov. 6. The session featured contributors to Berg's book of the same name, which will be published early next year by the University of Wisconsin Press. Berg's contribution to the panel is, "Christopher Isherwood's 'Autobiography of My Books.'"

**Michelle Alexander**, research associate, Center for Community Inclusion, and **Dodie Clendenning**, advanced standing MSW student, presented the first evaluation of Maine's Parents as Scholars (PaS) Program at a national conference, "Welfare Reform and the College Option," Sept. 25, Washington, D.C. Maine's PaS program was created during the 1996 Welfare Reform debate as a way to preserve access to postsecondary education. Alexander and Clendenning's initial evaluation indicates that for those who graduated from two- and four-year college degree programs while in the PaS program, 68 percent are currently employed, and 85 percent of those employed are working in their field of study.

**Richard Blanke**, professor of history, attended the annual meeting of the German Studies Association in Atlanta, Oct. 7-10, and served as discussant on the panel, "Expanding the Borders of Germandom: Nazi Racial Policy, 1933-1945."

**Joe Kelley**, professor of marine sciences, presented an invited paper: "Risk Maps Rejected: Who Wants to Know About Geologic Hazards?" at the annual meeting of the Geological Society of America in Denver, Oct. 25-28.

**Max Egenhofer**, director of the National Center for Geographic Information and Analysis, College of Engineering's Libra Professor, professor in spatial information science and engineering, and cooperating professor in computer science, gave a keynote address, "Spatial Data Models in GIS: State of the Art and Beyond," at "After the Genome V," a meeting in Jackson Hole, Wyo., Oct. 6-8.

**Henry Munson**, professor and chair of the Department of Anthropology, presented an invited lecture, "Religious Extremism and the Peace Process," at a conference on "The Middle East in Transition" at the National Defense University, Washington, D.C., Nov. 5.

## Media Spotlight

### Science News Reports Research by Kass

A report on research by Leonard Kass of the biological sciences faculty appears on the Science News Website ([www.newswise.com/articles/1999/11/NCAA.SCN.html](http://www.newswise.com/articles/1999/11/NCAA.SCN.html)). Studying results of the NCAA men's basketball tournament, Kass has determined statistically that teams traveling across three time zones to play face greater chance of being upset in the tournament. Kass, whose research focuses on circadian rhythms, suggests that the NCAA change the tournament structure so that teams do not have to travel so far that those rhythms are disrupted.

### Fried Tapped by National Public Radio

Amy Fried of the political science faculty was interviewed for a National Public Radio story about Maine referendum votes on abortion and medical uses for marijuana.

### UMaine Hockey in USA Today

The Nov. 2 *USA Today* included a story about 1999 UMaine graduate Steve Kariya, who is following in the footsteps of his older brother, Paul, in the National Hockey League. The story includes comments from coach Shawn Walsh. A sidebar notes the fast start as a college player by current Black Bear Marty Kariya, the younger brother of Paul and Steve.

### Wilhelm in Instructor Magazine

*Instructor* magazine's November/December edition features an article by Jeff Wilhelm, associate professor of education. "Focus on Drama" looks at the difference between drama and theater, explores strategies for reading and writing dramatic texts, and presents activities to engage students. Scholastic publishes the international magazine.

### Denton, Hall Research Hits National Media

Stories about the recent publication in *Science* of a report on the West Antarctic ice sheet appeared in numerous daily newspapers, including those in San Francisco, Charlotte, Boston (*The Herald*), Baltimore, Tucson, Santa Barbara, Philadelphia and Ft. Lauderdale. The *Science* article's co-authors included George Denton and Brenda Hall, Institute for Quaternary Studies.

### Greenwood, Judd in Boston Globe

Recent *Boston Globe* stories featuring UMaine experts include an Oct. 7 front-page story in which Michael Greenwood of the forestry faculty talked about the variables affecting fall foliage. In an Oct. 18 story, history faculty member Richard Judd commented on Portuguese explorer Estevan Gomez, who may have been the first European to sail up the Penobscot River.

### GREW CONVENES TOPICAL SESSION AT THE ANNUAL MEETING OF THE GEOLOGICAL SOCIETY OF AMERICA

Edward Grew, research professor of geological sciences, convened a half-day session, "Beryllium: Mineralogy, Petrology and Geochemistry," in which 14 speakers each presented 15-minute talks on a wide range of studies concerning beryllium. The topical session at the 1999 Annual Meeting of the Geological Society of America in Denver, Oct. 27, was sponsored by the Mineralogical Society of America (MSA), and is a precursor to a *Reviews in Mineralogy* volume of the same title, to be published by MSA and edited by Grew.

Beryllium has strategic, economic and scientific importance out of proportion to its rarity in the earth's crust. Nonetheless, it has received relatively little attention among academic scientists, largely because it is difficult to analyze. With the availability of new analytical technologies, more attention has been directed toward beryllium in earth systems, while increasing concern about environmental degradation has led to extensive research on toxic metals, one of which is beryllium.

Overall, Grew deemed now is an opportune time to pull together and review the status of what is known about beryllium. Grew gave a talk based on international collaborative research on the magnesium-iron-aluminum-beryllium silicate mineral surinamite from rocks that had formed at very high temperatures and pressures deep in earth's crust in northwestern Scotland.

Steve Norton, Department of Geological Sciences, and his former master's student, Jim Kaste, presented two talks on the cosmogenic beryllium-7 isotope, which they used to monitor the fate of the contaminants beryllium and aluminum in streams and forest soils at the Bear Brook Watershed and other sites in eastern Maine. Their collaborators were Brian Pellerin and Ivan Fernandez, Department of Plant, Soil and Environmental Sciences, and Charles Hess, Department of Physics and Astronomy.



**\*\*\*\*\***

18 UNIVERSITY OF MAINE

## Capital Plan *continued from page 1*

presented in January by the University of Maine System to the Board of Trustees.

The last five-year Capital Plan for UMaine was issued in 1997. Each report continues a planning process that started in 1992 with the development of a campus master plan and the subsequent Capital Plan for the University of Maine in 1995.

UMaine's current capital planning process began last March. Members of the President's Cabinet and the deans were asked to coordinate input from their respective areas concerning capital improvement needs as they related to institutional goals and academic priorities. The Facilities Planning Committee also was involved in the discussions. The System categorized priorities as urgent facilities issues, renovation and reorganization needs to improve space, and proposals for new construction and major new initiatives.

The Capital Plan for campus is divided into four project types:

### ALTERATIONS/RENOVATIONS

In the past two years, additional renewal initiatives have become capital improvement priorities for the institution. They include Oak Hall, a former dormitory now used for storage, which is being reassessed for possible restoration for student housing. Wells Conference Center, with its ever-increasing use by the campus community and public, is on the list to improve accessibility. Renovation of the Maine Bound Barn will include increased space for rental equipment, classrooms for Maine Bound courses, greater access to rental equipment and installation of an indoor climbing wall.

Two other buildings cited as renovation priorities, Cyrus Pavilion and Colvin Hall, are part of the Adopt-A-Building program. Introduced by President Peter Hoff in his Inaugural Address, the program is designed to identify resources specifically for the support of existing campus buildings.

The Maine Center for the Arts appears on two lists: for the multi-phase reconfiguration of some existing areas and expansion of the backstage area, and for maintenance involving replacement of carpeting.

The complete list of prioritized alterations/renovations (with the first four identified as top priorities):

**Aubert Hall**, \$5 million (funded by monies from R&D bonds in FY2000)

**Chadbourne Hall**, \$500,000

**Colvin Hall**, \$1 million

**Lord Hall**, \$5 million

**Cyrus Pavilion Theatre**, \$350,000

**Maine Bound Barn**, \$350,000

**Hauck Auditorium**, \$500,000

**Maine Center for the Arts**, \$1 million

**Oak Hall**, \$2 million (funded by University bonds in FY2000)

**Wells Conference Center**, \$500,000 (funded by University bonds in FY2000)

### INFRASTRUCTURE

Investment in existing campus infrastructure – steam lines, roads and parking areas – is required before further campus expansion can occur.

The complete list of prioritized infrastructure needs:

**Network Wiring and Telephone System**, \$1 million (funded by University bonds in FY2000)

**Roads and Parking Lots**, \$1 million

**Steam Line**, \$1 million

### MAINTENANCE

**Deferred Maintenance and Repairs**, \$4.5 million (funded by University bonds in FY2000)

**Maine Center for the Arts**, \$500,000 (funded by University bonds in FY2000)

**Library Steps**, \$600,000

**Indoor Track**, \$1 million

### NEW BUILDINGS AND ADDITIONS

Two capital enhancement projects on both the 1997 and the current Capital Plans – the Library Addition and the Recreation Center – remain virtually the same.

Since the last Capital Plan, the Art facility has been scaled back from a \$12 million complex housing both the Department of Art and the Museum of Art to a \$5 million academic facility for the Department.

The \$12 million addition to Boardman Hall, cited as a priority two years ago, has been replaced in the newest plan with a proposal for an engineering and science research complex, to be constructed between Boardman and Barrows halls. Under the plan, Crosby Lab eventually will be renovated for computer clusters and student workspace, freeing Barrows, Boardman and Bennett halls to be dedicated to classroom and office areas.

The complete list of prioritized new buildings and additions:

**Art and Design Facility** – Location to be determined, \$5 million

**Engineering and Science Research Complex** – Beginning with a new \$15 million interdisciplinary research facility for engineering and the physical sciences, to be built on the site of the outdated Machine Tool Lab. The \$45 million complex will include renewal of Boardman, Bennett and Barrows halls (\$15 million of which is expected to be dedicated from R&D bonds in FY2000)

**Library Addition** – To be located on the south of Fogler, \$25 million (with projected funding from future R&D and state bonds)

**Recreation Center** – Location to be determined, \$15 million

**Two Residence Halls** – The first of three to be constructed on campus in the next six years; sites being assessed are between Chadbourne and Balentine halls, the second as an addition to Doris Twitchell Allen Village, each \$6.5 million (with funding for the first coming from the System's issuance of revenue bonds) ▲

## Directory Changes

Robert Dana, Senior Associate Dean for Students and Community Life, Memorial Union, 581-4016, robert.dana@umit.maine.edu

David Kotecki, Associate Professor of Electrical and Computer Engineering, 211A Barrows Hall, 581-2248, kotecki@eece.maine.edu

Habtom Ressom, Assistant Professor of Electrical and Computer Engineering, 113 Barrows Hall, 581-2231

Edward Jadallah, Assistant Professor of Education, Shibles Hall, 581-2488  
Michele Alexander, Assistant Professor of Psychology, 366 Little Hall, 581-2747

Michelle Alexander, Research Associate, 212 Corbett Hall, 581-1239  
Laura Honeycutt, Departmental Dietitian, Dining Services, 2B Stodder Commons, 581-4771, laurah@umerl.maine.edu

Conference Services Division, 5719 Crossland Hall, Room 207, 581-4092.  
Fax: 581-4097. <http://www.ume.maine.edu/ced-conf>

## Sponsored Programs

### Pew National Fellowship Program for Carnegie Scholars

builds a community of outstanding faculty to investigate issues and challenges in the teaching of their fields. Scholars receive a stipend and costs of a summer residence experience and interim meetings. Eligible for 2000-2001: faculty in biological sciences, education, foreign languages/literatures,

health sciences, history, mathematics, performing arts, political science, sociology, or interdisciplinary fields. Deadline: Dec. 6.

### Open Society Institute's Individual Projects Fellowships

support work that furthers the development of a society characterized by a reliance on the rule of law, a democratically elected government, a diverse and vigorous civil society, and respect for minorities and minority opinions. Awards range from \$15,000-\$100,000 for a term of up to 18 months. Deadline: Dec. 15.

### CEC International Partners' ArtsLink Program

supports collaboration between U.S. artists and their colleagues in Central and Eastern Europe or the Newly Independent States. Applications are accepted from contemporary and traditional artists in the performing, design, media, literary, and visual arts. Current priority: projects that address reconstruction and recovery needs in the wake of recent conflicts. Deadline: Jan. 18.

### Northeast Region Sustainable Agriculture Research and Education Program

seeks proposals for research, education, and on-farm demonstrations. The FY00 program has identified 10 focal areas, including on-farm marketing and value-added opportunities; crop diversification; enhancing fish and wildlife habitat; forestry and forest product development; and ornamental horticulture, floriculture, and turf production systems. Deadline: Jan. 20. Proposals are also sought for in-service training of Extension and other agricultural professionals; the deadline is Jan. 27.

### National Science Foundation's Program for Undergraduate Mentoring in Environmental Biology

provides support for talented students to gain research experience and an enriched educational environment that will encourage them to remain in the field. Anticipated awards will be for four years and a maximum of \$275,000, largely in participant support. Deadline: Jan. 26.

For more information, call Research & Sponsored Programs, x1476.

### Cultural Affairs Committee Deadline for Proposals

The deadline to submit proposals to the Cultural Affairs/Distinguished Lecture Series Committee is Monday, Dec. 13. Proposal guidelines and applications are available by contacting Wanda Legere, President's Office, x1516.

### DEADLINE SET FOR LEARNING CIRCLES 2000 PROPOSALS

Learning Circles 2000 is a program to encourage discussions about teaching on the University of Maine campus. A limited number of grants of up to \$500 will be given to groups of five-eight people who agree to meet during spring semester 2000 to investigate a particular aspect of teaching. All funded groups will be asked to submit a report on their activities and will be invited to share their work at a half-day gathering in May 2000.

Applications for the program must be received by the Center for Teaching Excellence by Dec. 15. Each proposed group must include: a) members from at least three colleges or campus units; b) a mix of faculty, staff and students (graduate or undergraduate); and c) at least one person who is new to UMaine (i.e., here for three years or less).

Applications must include a clear statement of purpose for the group (75 words or less focusing on an issue or question), an identified leader or convener of the group who will be responsible for funds, and a projected budget not to exceed \$500. Funds may be used for books or other materials, food for group meetings, speakers' fees, etc.

The Center for Teaching Excellence will judge proposals and will look favorably on those that 1) connect to identified campus priorities (e.g., technology, diversity) and 2) have noticeable impact on teaching and learning.

Note: A separate grant of \$100 is available for departments or other units that wish to gather five or more people for discussions of teaching. Department chairs should contact the Center for more details.

The University of Maine's winter overnight parking ban is in effect through May 1. All faculty, staff and commuter parking areas are closed to overnight parking during this period. No vehicles may be parked in these lots midnight-6 a.m. Those with questions should either consult a parking map or call the Parking Office, 581-4047, or Public Safety dispatcher, 581-4040. Vehicles parked in violation of the ban will be towed at owners' expense.

## Did You Know

▼ Last year, more than 500 isolated or homebound elders in the state maintained their independent lifestyles and quality of life through the efforts of 108 trained senior volunteers in Cooperative Extension's Senior Companion Program. The volunteers made more than 30,000 visits, spending more than 73,000 volunteer hours. The statewide program provides meaningful volunteer opportunities for limited-income people ages 60 or older.

▼ Last year, more than 3,000 seniors statewide learned how to eat more healthfully through outreach programs provided by Cooperative Extension and the Bureau of Elder and Adult Services.

## What's Ahead

THE JOHN M. REZENDES  
ETHICS LECTURES  
BY NORMAN DANIELS  
November 17-18

THANKSGIVING BREAK  
BEGINS  
November 24

WOMEN'S BASKETBALL:  
DEAD RIVER COMPANY  
CLASSIC  
November 26-27

THE NUTCRACKER  
December 4

## MAINE Perspective

The University of Maine  
Maine Perspective  
Department of Public Affairs  
5761 Public Affairs  
Orono, Maine 04469-5761

